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**IT
IS IT**

**HUMANITY'S
LAST**

BATTLE

MILLIONS HAVE THOUGHT THE
SAME THOUGHTS.
ARE THINKING THE SAME THINGS.

WE ARE NOW READY.

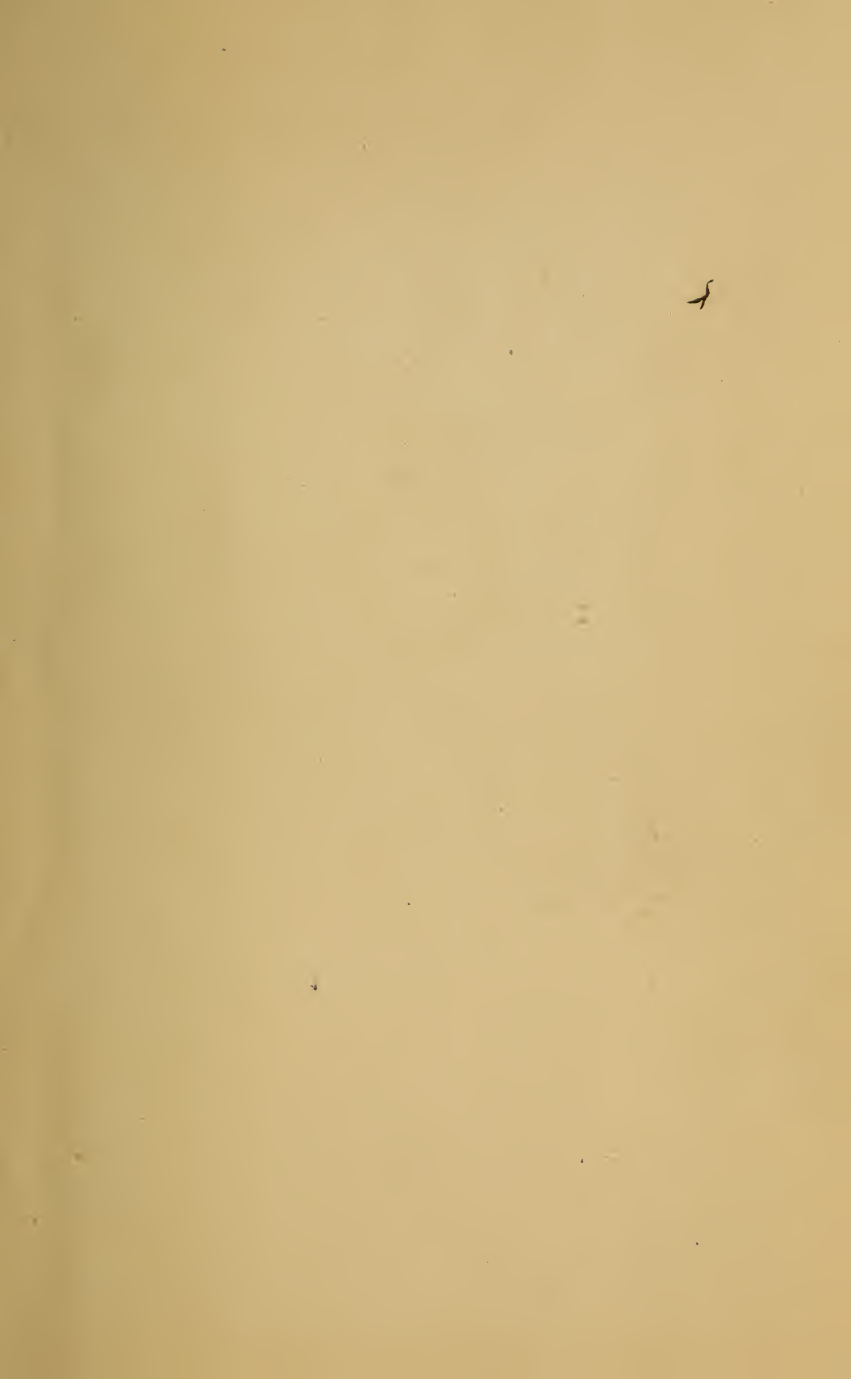


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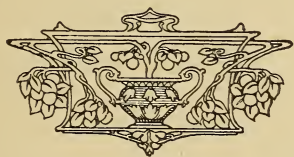
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IT IS IT





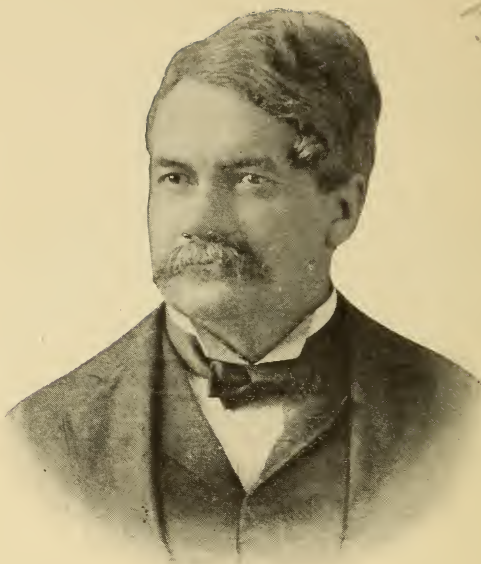
HUMANITY'S LAST BATTLE

**Millions have thought the same thoughts,
Are thinking the same things,**

WE ARE NOW READY

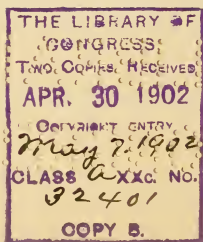
Robert H. Johnson
The first bud of a new evolution appears.
We gain the victory, without the contribution of
one dollar, or the loss of a single life,
so unique is the plan, so powerful the idea.

HUMANE PUBLISHERS, 1142½ BROADWAY, N. Y.



ALFRED H. ISHAM, AUTHOR.

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ALFRED HUNTINGTON ISHAM, JR.
ETHEL H. ISHAM
BERTHA B. ISHAM
HARRISON SARGENT ISHAM

DEDICATORY NOTE

It is with unbounded pleasure that I dedicate this book to my beloved children, who are thoroughly imbued with the idea.

ALFRED HUNTINGTON ISHAM, SR.

CONTENTS.

Most Exalted Procreation Promises.

The Creation of the New Heaven on Earth.

Raiment, Food, and Shelter for all Mankind.

The Unbounded Development of Art and Pleasures.

The Uniting of all Nations, to Build the World's Proctor Memorial Observatory and Temple of Light, to be Erected upon the Crown of Mt. San Miguel, Cal., U. S. A. Being the only Mountain yet Discovered Enveloped by an Atmosphere Practically Free from Vibrations, Whereby the Largest Lens can be Operated. Under Patents of Prof. Louis Gathmann, Covering the Sectional Lens Principle, Whereby the Power is Simply a Question of Mechanics, even Five, Ten or Hundreds of Times the Power of Mt. Hamilton or the Yerkes can be Obtained.

The U. S. Government asked to Guarantee to all Nations the Perpetual Right to Receive Reports in Sidereal Research, Whether in Time of Peace or War, thus Proving the First Golden Thread of Peace Entwining the Hearts of the People, Giving all Humanity the Prescience of Love and Knowledge of their Immortal Abode.

The World's New Hanging Gardens and Tower of Babel, Whereby one Voice will be Intelligible to all the World, for the First Time Since the Confusion of Tongues.

Extended Years Granted.

A New Race Founded.

HUMANITY WALKS WITH GOD IN SUPPLICATION.

Our Father, Creator of the Universe, we most graciously thank Thee for Thy glorious ever-beaming light, and for Thy forgiving parental, outstretched hand offered in mercy to all Thy children of every race and color. We do not love to crouch down and approach Thee like galley slaves, but rather delight to stand up like men full of joy and praise and claim that the time has come for the fulfilment of Thy promise to us as joint heirs; therefore, we now claim and ask for our heritage—the best of Thy gifts in food, raiment and delights, and that Thou will destroy all barriers that come between us and the establishing of homes, holy marriage and fruitful births, that all the heavens may be filled with Thy adorers. We praise Thee that solely through us Thou createst souls immortal. That we are the way, that we are a part of Divinity, that Thy blood courses up and down our veins. That solely through us Thy great laws are unfolded, whereby we can create our own com-

IT IS IT

forts, adorn our beloved with the daintiest creations of art and Thy gifts divine without limit, and rest under Thy protection safe from all harm. Oh God, our most kind and gracious Father, exalt and inspire us for the work before us, and make us to realize (if it be true) that the sounds that enter our ears, the *scenes* that enter our eyes are, with the words our voices speak automatically recorded with our own identity upon the mystical scroll enveloping our reason, that duly unfolds at that hour, that sends us to immortal bliss on the scenic road of delight or, meandering, through the purifying realms of Thy disobedient children.

We praise Thee for the ever illuminating hope within our breasts, lighting the rocky pathway to unlimited pleasures, awaiting the unfolding of exalted procreation, ever offered to us, that will make us healthy, wealthy, and wise, whereby, in no small measure we can appreciate Thy mercies, and the wonderful gift of life and the spirit. We now behold the veil of ages lifting from our long-dimmed eyes, the dawn of a new creation appearing, for we see the hosts gathering among all nations for the world's jubilee, it is the new heaven on earth the millennium for all mankind. None left out of the fold. Hail Holy Father the

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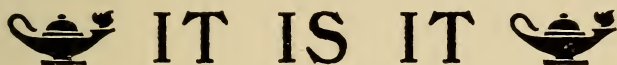
light has come. We feel the warmth of Thy sustaining immortal presence about us, and we shall rest as sweetly as a babe upon its mother's breast. Home at last in our Father's house, none to starve, none to complain. It is peace be still. It is God's sublimity. Man is exalted by the right of inheritance divine, the richest blessings of heaven are not withheld. They are showered upon all humanity, and all humanity praises Thee with one accord.—Amen.

WHERE THE NEW IDEA WAS BORN.



MT. SAN MIGUEL, California.—Dedicated to the World's Proctor Memorial Observatory and Temple of Light.

From Painting by Josephine Davis.



THE FIRST BUD OF A NEW EVOLUTION APPEARS.

That will quickly grow a new tree of Life, fed by all the best creations of nature; the Arts and Sciences, and the appealing ring of the amalgamated wail of the down-trodden, beseeching, sorrowing, starving millions, echoed back from the vaulted skies of a just heaven with the spirit of immortality blended into every fibre of the roots, the trunk and the branches. No fruit of despair will be plucked, but rather the golden fruit of charity, with hope ever glistening from its shimmering leaves, moistened with the dew of heaven blazing the way to peace on earth, good will to man.

We will welcome it as we welcome the sunshine, the rain, and the products thereof; we will welcome it as we welcome the breath of life and

IT IS IT

breathe we must, even involuntarily, for no will power a sane man can bring to bear can arrest respiration. Therefore, we move, breathe and have our being by a power greater than the man. This same most gracious power gives us freely the power of the most exalted Procreation.

This is the new evolution, and it grants to all humanity all the good things of the earth and of the heavens. Not an element that enters into the construction of the palaces of the kings or that is contained therein, is in any manner stinted. Therefore, millions of these palaces of the kings can and will be builded, even in Africa, where all the elements to do so exist, all else that is required is a safe and acceptable exchange in combination.

PROCREATION GRANTS IT.

In fact, we have no occasion to envy the possessors of all the present arts, which includes everything created by man—castles, money and all—for they are as naught when compared to what is waiting exalted Procreation. Life will become so entrancing that the multitudes will yearn for extended years and when the multitudes yearn with one accord the mind and the body is naturally put in training for the event, and the yearn-

IT IS IT

ing is appeased. All-powerful Nature grants it, the prayer is answered. The children of Israel yearned for a king, and the king was granted, even against their own interests. The people who seek for the philosopher's stone will become wise en route and finally find it, then they will live to the age of the Patriarchs. There is plenty and to spare. The United States of America alone can afford every comfort to ten billions of people, being three times the present population of the earth, and this book will prove it. Life in its beauty and splendor is but begun; especially with great-grandfathers, grandfathers and fathers and mothers, and aged people generally who are relegated to the rear, just at the period when the mind is ripe for true appreciation of life—just at a time when they are only fitted for the sophomore class—Procreation will burnish up and put on the turf again millions who had planned to depart this life just as their period of usefulness had begun, and they, without previous knowledge of the fact, will secure new life and redouble their energies, doing deeds of nobleness.

In noticing what they do with colts, you forget the illustrious Flora Temple, who was kicked around and kicked back for twenty-two years be-

IT IS IT

fore an appreciative person groomed her for the race which eclipsed the world's record, and plenty of Flora Temples are left to do it again when sought out and groomed properly.

Many of man's most immortal acts were enacted after three score and ten and four score and even four score and ten years; and this book will prove it.

If we envy we are not happy, then why envy the rich or desire a division of their wealth, in the face of the fact that all they possess is but a drop in the ocean as compared to what the masses can create under the plans set forth in this book, and while so doing enjoy a Paradisiacal life.

A FAIR EXPOSITION

This book is intended to set in motion exalted Procreation, whereby all the people will grow into possession of all the good things of the earth and of the heavens, without the contribution of one dollar or the cost of a single life.

It is the dawn of a new creation, and seven judges, high in jurisprudence, have expressed the opinion that this new power (in combination) if accepted by the people is the beginning of the millennium for all mankind.

THE INTRODUCTORY REVOLUTION, LEADING UP TO THE FORMING OF HUMANITY'S FIRST INTERNATIONAL TRUST—THE GIST OF THE WHOLE MATTER.

If we have a common father (and we have) every child born anywhere, of any race or color, is his beloved child to whom he has given life, though without its consent. But blessed be the holy purpose. The elements are not stinted that afford

IT IS IT

food and raiment; there is a superabundance of all that is required to fit us to dwell in happiness not heretofore realized upon this earth; for we shall acquire wisdom not dreamed of, we shall build a soul with a noble spirit, at all times prepared and ready for the eternal fitness of things.

A fair and equitable distribution of the products of the earth and the heavens is a commercial, musical and spiritual combination, and under nature's great common law we are, as joint heirs, entitled to all the good things of the earth and of the heavens, and now ask for our own by right of inheritance.

Therefore, let us now proceed to set in motion the almighty power of exalted Procreation, that will grow a tree of life extending its branches around the earth, all humanity partaking of the fruits thereof, enjoying peace, wisdom and hope.

The people are all-powerful, therefore let us enter into the spirit of the birth of this exalted Procreator that carries with it a promise to redeem all humanity and make us as happy as the birds, now and forever eternally happy.

Now let us act in the living present and join the world's great trust, for it is humanity's last battle and the work under this plan of relief,

IT IS IT

heralded to all the nations, calls in no uncertain voice for great reformers; reformers before whom the agitators for the liberation of the slaves through Father Abraham will appear to have faced a mild grievance when we take into consideration that four millions only were declared free, from a bondage of luxury, as compared with the hundreds of millions of down-trodden, beseeching, starving hosts; starving for a morsel of bread, starving for melodious voices that give forth a sweet succession of entrancing sounds, starving and crying for the comforter. We repeat that the slaves that Abraham freed enjoyed the blessing of food and raiment, their condition evolving more joy, sentiment and merriment than any other race on earth, and the highest classes ape their diversions, sing and enjoy their melodies. Egypt, Judea, Greece, Rome or China never produced the joy and merriment among the masses that the great bondage of the Sunny South produced, all because the slave knew that no hunger would gnaw at his vitals that would not be at least partially appeased. They also rested under the security of the government and accepted their lot as one that was fixed by governmental laws; but, oh, what a change the shifting scenes produced!

IT IS IT

Washington, the father of our country, enjoying the richest estate in America, made this estate slavery's greatest incubator. Its annual round-up was the parting of fathers, mothers, sisters and brothers, who wept out their last farewell wrapped in each others arms, until literally torn apart by Greed and Gold—but, who shall now say it paid the dead to do the cursed unholy act, and let us to-day believe their voices from the grave would beseech forgiveness and plead for mercy, and yet we to-day do even worse than they.

OBSERVE MAN'S UNCONSCIOUS INHUMANITY TO MAN.

How utterly futile it is to build hopes upon a stupendous proposition, where personality holds sway.

Contemplate the strange situation: Washington leading the American forces for American independence, and simultaneously breeding humanity for the shackles of slavery that Abraham was to break and set free, at a cost of desolation of firesides, a million lives and billions of dollars.

Had Washington, in his farewell address, announced the liberation of his own slaves, it would

IT IS IT

have increased the illuminating power of his blazing star to the first magnitude among all the great lights that humanity is ever watching; lights that can never pass away, although Egypt's pyramids will pass away.

Furthermore, it is quite likely had that event occurred the great Civil War, with all its horrors, would have been averted. Washington let his golden opportunity pass. Shall we do the same?

Washington set the colonies free, but simultaneously blazed the way for the continuous forging of the chains of slavery, until more captives were found in Abraham's time than the entire population of the colonies in Washington's time, and probably, more than eight million slaves had died in bondage during that lapse of years.

Father Abraham by one divine stroke of his pen of destiny set more than four million slaves free, but Congress simultaneously paved the way to the slavery of corporate monopoly greed, until the twentieth century finds more than seventy millions of people held in a captivity that is fast bearing us on to a more terrible blight than the Southern slavery, because the intellect and the pride of this highly intellectual nation is being humbled and crushed that a few may be glutton-

IT IS IT

ized and hold sway in a beastly manner over a well-meaning, law-abiding and patriotic people. The burden is much harder to bear for the reason that the purity, intelligence and culture of this refined people has been wrought up to a higher degree than ever before obtained by the masses of any other nation. Throughout this broad land of the free, other educational institutions are constantly increasing and money is poured out that the mind may be trained to appreciate the highest arts and sciences. Thus the most noble part of life may be fulfilled and the most delicate senses calmly contemplate the beauties of the most gracious gift of life here and appreciate the beyond. Then away with the idea of more than temporary enslavement of such an all-powerful people. Because of this higher culture, the situation is more grievous, more pitiable and excruciating than could possibly be realized by undeveloped mind and matter springing from Africa's untutored shores. Therefore, be it understood the world around, that we now make the last rally about humanity's standard and declare the whole world free. Then monster greed will gradually die and gold lose its charm. The earth will be one grand sweet song, one hanging garden, one glorious rev-

IT IS IT

erence to the giver of life and life's unlimited possibilities.

Washington set the colonies free.

Abraham freed the slaves.

Now the people will free themselves.

RESTING UNDER EXALTED PROCREATION.

All humanity can be as free as the sunlight without the contribution of one dollar, or the sacrifice of a single human life. Only let us look away to the upturned faces of the defenseless, sad-eyed people, crying for help. For they are sick and starving and dying in cold, damp, chilly hovels, not even their own. O, let us swear to quickly lift the pall that is fast driving us frantic and

ACCEPT THE NEW LIGHT.

Its power can at once be demonstrated and prove its destiny as absolutely certain to shatter the foundation of all opposition by simply setting in motion the one proposition as hereinafter set forth which fully demonstrates its giant power to set all humanity free, for under the great universal law of creation all are joint heirs and none are left out of the fold. Therefore be it understood

IT IS IT

WE NOW SET THE PROPOSITION IN MOTION.

It will sweep the earth of all poverty. Man will be free. The people are asked to purchase one million boxes of Humanity Baking Powder "Purity," made exactly according to U. S. Chemist's reports. "It will leaven the whole loaf."

By remitting cash in advance, 50 cents per box (being the maximum price of others), the said Humanity Baking Powder, to be manufactured under Isham's Universal Humane Trust Plans, whereby patrons become principals.

Seventy per cent. of the margins go to patrons.

Twenty-five per cent. of the margins go to Humanity's relief.

Five per cent. of the margins go to build and sustain the World's Proctor Memorial Observatory and Temple of Light, to be built under the Gathmann principles of sectional lens (being first improvement over single lens since Galileo's time). The power of the lens is simply a question of mechanics, it being practical to build lenses 5—10— or even 1,000 times the power of the Mount Hamilton or the Yerkes.

IT IS IT

(RECAPITULATION.) SEE US GROW.

One million boxes of baking powder, 50 cents each.	\$500,000
Cost of manipulation, estimated at 25 cents each....	\$250,000
Margins, \$250,000, to be distributed as follows:	
70% to Patrons.....	\$175,000
25% to Humanity.....	62,500
5% to Observatory.....	12,500
	<hr/>
	\$500,000 \$500,000

The situation appearing as follows:

Cash in the treasury (net gain), \$175,000, for which is issued to the patrons dividend certificates aggregating the above sum and bearing 4% dividends. The said money to be reinvested, thus:

CONQUER THE BAKING POWDER INDUSTRY.

The annual output in the U. S. alone being estimated at forty millions and the net gain..... \$20,000,000

IT IS IT

The distribution:

To Patrons	\$14,000,000	
To Humanity for charity.	5,000,000	
To sustain World Observ-		
atory	1,000,000	
	<hr/>	<hr/>
	\$20,000,000	\$20,000,000

With this great annual accumulation take another enterprise and another, until all humanity is set free, the earth conquered and developed as never before dreamed of, all under Nature's grand common laws. It can readily be understood that an annual accumulation of \$14,000,000 which is retained in the treasury, represented by \$14,000,000 in valued dividend certificates, issued to the patrons, bearing 4% dividends, the said \$14,000,000 remaining in the treasury for the purpose of expanding the enterprise. These certificates being never redeemable, gives a proper idea of the great future awaiting Humanity. The people being actually en route to amassing the commercial wealth of the world into trusts for the people and by the people. In addition, contemplate \$5,000,000 annually for charity from this industry alone and one million for the world's great observatory, possessing many times the power of the

IT IS IT

Yerkes, to polarize the light of the heavens and the earth. All not costing one dollar, or one life. Simply patronize the institution as you would patronize others, it will bring you wealth, happiness and spiritual fulness and goodwill to all men.

Patrons become principals and receive dividends in the coin of the realm, but the patrons do not become proprietors. There are no proprietors. It is all humanity's trust, in the hands of humane, upright men of honor, amenable to rigid by-laws. The laws of creation and the country.

AN APPEAL TO THE HUMANE WORLD.

People who do not use baking powder, but who do feel the mighty import of this movement, will receive preferred valued dividend certificates, bearing 6% dividends, for such an amount as they deem policy to remit in sums of twenty-five cents and upward. We would here state that the sum of \$5.00 would secure a preferred valued dividend certificate forever, bearing 6% dividend, being the sum of five cents payable every alternate month.

IT IS IT

THIS PREFERRED VALUED DIVIDEND CERTIFICATE

(found in the book) is the common pivot of exalted Procreation, around which the entire system revolves, and is duly illustrated and set forth in this book. The purchasers of the preferred valued dividend certificates will be entitled to honorable mention, and will be regarded as the founders of the proposition, as also will the purchasers of the first million boxes of baking powder.

TAKE THE HUMANE VOW

and forward the same to Alfred H. Isham, 1142 $\frac{1}{2}$ Broadway. It will strengthen the cause and mark you as a co-worker. Also lend encouragement by writing your opinion of the work and disposition in the matter, inclosing stamp for reply.

THE HUMANE VOW.

Believing that every man is his brother's keeper and realizing that the elements that enter into the stomach, nostrils, eyes and ears build the structural system and direct the mind of the man, I hereby pledge my patronage, my influence

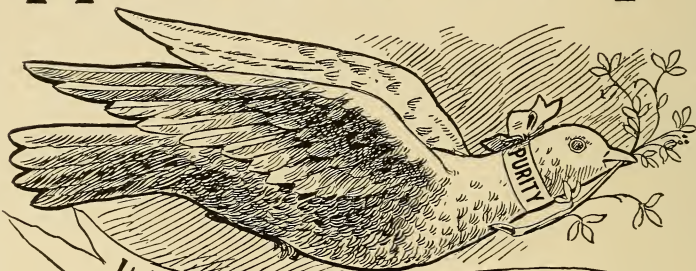
IT IS IT

and my prayers to the promotion of humane ideas, benevolence and pure food and Humanity Baking Powder; knowing that adulterants impair the constitution and undermine the health, realizing that the stomach is the common pivot upon which revolves the health of the man and the man's destiny, that accordingly the race becomes a race of dyspeptic weaklings or a race of robust giants, therefore I will work for the righteous cause until the end cometh.

(Signed):

OUR LABEL

HUMANITY



It Will Leaven the Whole Loaf.

GOVERNMENT STANDARD

BAKING POWDER

Absolute Mutual Co-operation.

Patrons Become Principals

Twenty-five per cent. of the margins go to promote the welfare of humanity.

Seventy per cent. of the margins go to the patrons—in cash valued dividend certificates, or upon assurance accumulative plan, as per by-laws of the Company.

Five per cent. of the margins go to build and sustain the World's Proctor Memorial Observatory and Temple of Light in the Interests of Humanity—the lens to be of the greatest power possible to build.

MANUFACTURED BY

Humanity's First International Trust

NEW YORK CITY, NEW YORK, U. S. A.

U. S. G O V E R N M E N T A D M O N I S H E S T H E P E O P L E

BAKING POWDER—what is it? A mixture of two well-known chemicals, Potassium Acid Tartrate and Sodium Bicarbonate. These two chemicals when combined in proportion to their molecular weights (i. e., so there shall be no excess of either) and mixed with a small percentage of some inert substance, such as corn-starch, forms a true Baking Powder. Any other chemical added must be called an adulterant. The Humanity Baking Powder is manufactured on the above theory. As a result we have the greatest possible amount of leavening power (Carbonic Acid) and the least possible residuum in the bread, namely Sodium Oxid, and Potassium Oxid. There is no Alum, Ammonium Carbonate, or Tartaric Acid in the Humanity Baking Powder. The chemists of the U. S. Department of Agriculture have recently concluded an elaborate investigation of the baking powders found in the markets, the results of which have been published in Bulletin No. 13, Part Five, which can presumably be still obtained from the Commissioner of the Department. From this it appears that many of the Baking Powders sold contain Alum and Ammonium Carbonate ingredients which are recognized as harmful and are added for the sake of cheapness. As a fitting conclusion to his labors, Mr. Crampton, the chemist, who conducted the investigations, gives testimony that a proper mixture of the chemicals stated above produce a Baking Powder as near the ideal as possible.

E. H. FOSDICK. *Chemist.*

THE WORLD'S NEW ERA

UNIVERSAL CO-OPERATION

EVERY can of Humanity Baking Powder contains a unit which is unitable and entitles the holder to a Valued Dividend Certificate, bearing perpetual dividends predicated upon the earnings of the enterprise without personal liability and non-assessable. The value of units is determined by the Directors upon the first of each month, upon the absolute mutual co-operative plan, whereby the margins go to promote the general welfare of humanity, as stated. The members of the association are not proprietors, but rather trustees for the Valued Dividend Certificate holders, with monuments indicating their course so well defined, that the trustees need not err therein. Trusting that this principle will meet with general favor and awaken all more keenly to realize that we are "our brother's keeper," we solicit your patronage and shall be glad to mail complete workings of the institution.

Work with us and believe us,

Faithfully yours,

Humanity's First International Trust

NEW YORK CITY, N. Y., U. S. A.

IT IS IT

One dozen 1-lb. boxes in a case. Order at least 4 cases, which will warrant shipment by freight. When answer to communication is expected inclose ten cents in stamps—unless order is sent.

READY FOR BUSINESS.

Order at once (send for blanks), singly, or band together, forming the PEOPLE'S HUMANE CLUB, of
Remembering when you do so it is for their sake, no commissions due you other than the blessing that ever comes with feeding of the hungry and the comforting of the sick.



MISS BERTHA B. ISHAM

Trustee for Patrons Pending Forming of Association

IT IS IT

ORDER BLANK.

PENDING FORMING OF ASSOCIATION.

Miss Bertha B. Isham, trustee for patrons,
1142½ Broadway, New York City, U. S. A. Money
not to be parted with until order is filled, and then
only in accordance with the rules and by-laws set
forth in this book.

Inclosed please find...../100 dollars,
for which send.....boxes Humanity Baking
Powder. Price per one pound box 50 cents each,
delivered to

.....
.....

Every can of Humanity Baking Powder comes
bounding into the home like a blessing.

It is paid for, thus leaves no sting of debt and
death.

It is purity, thus purifies the body and mind.

It is assurance of a continuous everlasting
revenue.

It is the light of the God of Abraham, Isaac and
Jacob.

It is the way of Confucius, Buddha and
Mahomet.

It is peace be still, of the Father, the Son and
Abiding Spirit.

IT IS IT

It is all in one! It is good cheer, joyfulness and REST.

It is the revealer of Systems of Worlds without end set in motion,

Millions of billions of trillions of trillions of billions of millions of ages ago. Yet we would endeavor to make ourselves believe that man is wise and the highest order of all creation, whereas, it is but reasonable to believe that man is the most insignificant, gimblet-pointed, narrow-contracted, selfish and unappreciative thing, as well as the lowest order of all the creatures of God, to whom he has given the power of knowledge and reason, to generate, load and shoot an idea off the earth. It is but reasonable to believe that we are a mere atom of a microbe living on the face of a mustard seed of a world, as compared to a cannon-ball in comparison with other worlds in our own system, and that other orbs roll on in space in other systems of worlds, the diameter of which is greater than the distance between our earth and the sun, and there are systems of worlds without number and without end, and yet we could make ourselves believe that the powers that did set these millions of billions of systems of worlds in motion to revolve in

IT IS IT

universal co-operation untold billions of trillions of ages ago created them to revolve in universal co-operation for the sole purpose of dire desolation, awaiting the time for the creation of our little mustard seed of a world of recent formation to bring forth creatures like us, with all the elements unstinted to give food and raiment to all, and we stand idly by and see millions starve, and turn a deaf ear to their cries and groans? Most Gracious Father, strengthen us to now declare, and we hereby do declare, that in Thy infinite mercy and gift of life Thou didst design that we partake of the best that would produce the highest order of beings in body and mind, whereby we shall be more ready for the transition to our immortal abode, not builded with hands eternal in the heavens.

We love life and its grandeur. We do not envy but rather love and honor men who endow colleges, hospitals, churches and form gigantic trusts and corporations and promote all good works. We love to see them fly in palatial trains and ships, view God's handiwork, praising Zion. We like the new way best. The fast flying train is humane, for the camels were footsore and weary. But all praise to the powers that be, exalted Pro-

IT IS IT

creation will bring greater checks, duly signed with the kindly right hand, without the work of the left hand, enabling it to do so by simultaneously turning the lights a little lower in squalid homes and pushing off a little more coal from the bucket of the tired old mother that is struggling to keep the home warm and feed her loved ones. Now, we desire to put ourselves on record as saying that no one will cry glory more, over Procreation than the very men who do the acts that we herein mention, and who to-day are regarded as the most noble and most generous. Until they learn the new way they will be honored for what they do. We, however, all know that every element that enters into the palatial trains and ships is not stinted. Therefore, all the people will take a whirl of life as soon as it dawns upon humanity that nothing is too rich for their blood and that everything is at hand to set in motion a principle that will bring all the good things, even not yet revealed whereby this fast-flying train would not make a good freight train within fifty years. Wisdom will unfold greater gifts of God to his children than the mind of man has hoped for or ever woven in fancy's loom.

IT IS IT

PAUSE, PONDER AND PRAY

Before you deride the NEW IDEA, for an Idea is all powerful and no better conditions exist to generate them than Humiliation, Calamity and Depression. It was in the midst of these three Sisters of Mercy that the IDEA of life insurance was born, without a friend to caress, until its illuminating light of gold dawned upon humanity, and the wise men came from the West wrapt it in swaddling cloths of purple finery, nurtured it tenderly; and now behold within sixty years it has reversed the holy order of things, moved eastward throwing out its rays from the dazzling light of five billions of gold dollars, the alluring false god of the people, being more gold than the treasury vaults of Russia, Germany, France, England, the United States, and all other nations combined contained.

Beware how we cast aside ideas; they are born in the brain by friction. THE BRAIN, that mysterious substance that photographs all that our visions see, all that our ears hear, all that our imagination fancies, calls them up at will; creates on the tablets of memory new designs, eliminates the rejected elements, leaves a portrayal of the

IT IS IT

creations—transfers the picture to paper in detail, for the master workman to build in reality. The Brooklyn Bridge was first builded upon memory's parchment, whereon is delineated all that we see and hear the world and the heavens around, the entire space occupied being probably no larger than the millionth part of the point of a cambric needle, leaving ample matter for immortal development. So subtle is its immortal self, which is simply nestling in this cocoon for a season, then sailing away in a heavenly manner. The character of the elements admitted into the brain govern the new creations and direct the policy. Therefore, it is the brain that we should appreciate most, for in reality, and as a matter of fact the brain is the man. Every member of the body simply obeys its mandates. Therefore, let us explore this undiscovered country (greater in extent than the face of the earth), from whence the face of the world is being gradually changed and the elements thereon amalgamated, for the brain's sole delight, for our body is simply its galley slave. This mysterious brain combination lives on, although our legs and arms are amputated. Our stomach, one kidney and spleen removed. Our ears, nose, and hair cut off. Our eyes, teeth, and

IT IS IT

tongue, and palate taken out, demonstrating most clearly that these members are not absolutely necessary to its present or future life.

Therefore, let us turn our sight inwardly and survey this wonderful combination of mind and matter, and carefully guard against iniquitous matter entering and amalgamating, especially in proportions that will predominate and direct the policy. It requires no prophetic mind to predict that the time is not far distant, when a man will no sooner admit iniquitous matter into his brain than he would apply the LIGHTED torch and destroy his domicile and loved ones. Look which way we will, we see a man in all conditions; look further, and see that he simply represents his brain and its conditions. Beware, and heed the brain's admonishing conscience.

Of all ideas, and of all the power that ideas possess, even the power to encircle the earth, tunnel mountains, and shoot out into the universe, the most powerful of all is love, purity, and constancy, born of the spirit. Amass these in the brain, and all wrongs will dissipate and every prediction in this book realized. Thus it lies within ourselves to conquer or to perish.

IT IS IT

IDEAS CONQUER ALL.

It was not impossible for our forefathers of 1776 to have calmly amalgamated ideas, constructed a monitor and Maxim destroyers, destroyed the English army and navy, and serenely viewed the power of ideas over oppression, and this is exactly what the people will now do. Ideas will till the soil, distribute water, light and heat, and give all the comforts of home. Humanity is now "onto" the ways of life, "onto" up-to-date civilization, and will meet the issue squarely, fairly and effectually.

Ideas, these mysterious forces never seen by man, little understood, nevertheless moving everything; what shall we call this force but God moving over the face of the earth, preparing it for an appreciative future race. After all, we are simply being used, as He used the coral reef insect to build the foundations of the continent of Australia, upon which He laid the soil, gave life, and builded the cities. What is the use of worrying? There is enough, and to spare. Let us grind out ideas, amuse ourselves, eat, drink and be merry, for to-morrow we throw off this mortal cocoon, and return to Him who doeth all things well.

HUMANITY'S LAST BATTLE.

THE STROKE THAT SETS US FREE.

THE PROBLEM OF LIFE SOLVED.

THE WORLD'S NEW ERA AT HAND.

UNDER ISHAM'S UNIQUE PLANS FOR UNIVERSAL HUMANE CO-OPERATION, whereby a NEW PROCREATIVE POWER automatically uplifts all HUMANITY into a REALM of DELIGHT, amassing all the commercial wealth of the world into TRUSTS operated by the people for the PEOPLE, NO PROPRIETOR VISIBLE.

It will dissolve all monopolies without establishing new ones. It will develop the earth and create a HEAVEN thereon, grant homes, food, raiment and exquisite delight to all the people. It will drive away grief and care and place us more closely in touch with the everlasting.

It will conquer all the distressing evils afflicting the human race, not by fire, dynamite and sword, but peacefully, majestically, effectually.

It will create new life out of itself, being pro-

IT IS IT

creative, and prove a medium of exchange that will bear us on and up to all the glories.

This idea is born of the belief that we are joint heirs with our Creator, and immortal. Not because Buddha and Moses came, or that the Christ proclaimed it, but rather as a gift of creation, by our most gracious universal Father, the Creator of all things in everlasting new combinations.

Being joint heirs, none of the good things of the earth or the heavens are denied to us by our Father, but rather are bequeathed to us with boundless powers of further creating by combinations. The elements that enter into the comforts, amusement and growth of the soul, body and mind, possible with this life, are unstinted. We have but one opportunity to live, why not partake of and enjoy to the fullest all the blessed gifts? Why not create the good things in ample quantities for all? Is there any limit to the productive powers of the earth, any limit to the elements that enter into the construction of the best appointed palatial homes, with libraries, baths, musical instruments, and all that enchanting art can lend, or the elements that construct, the "bike," electric cars, Pullman's, and all the beautiful things for our delight? Where is the limit to

IT IS IT

the voices that can be cultivated to fascinate and build up the soul and drive away grief and care? Poor, downcast, down-trodden humanity needs more Emma Abbotts, Pattis and Jenny Lind songsters, to carry us away to the region of bliss. Is not the present highest art insignificant as compared to what is in waiting for greater intelligence regarding the laws of nature?

If the elements of which they are created and the voices were limited, or stinted, or if a meter was attached to the reservoirs of the materials that enter into their creation with fixed charges, then we could enter a protest to our Father and offer an adequate excuse for starvation and ravaging diseases, with no food and raiment for his children.

Now, as we deliberate and take an encompassing view of the situation, we can more fully realize that we are born without our consent or knowledge aforethought, furnished with a stomach yearning for food, and minds yearning for sounds and sights. Except they are granted, we perish. With this view, it must be accepted as *prima facie* that in the great plan of creation it was intended that we have plenty of the best elements supplied for building the most perfect

IT IS IT

and healthful body and mind, hence soul: for we now understand that upon the character of the elements that enter into our stomachs, nostrils, eyes and ears depends our glory with our Father and each other.

Now let us remember that we may evolve an endless number of theories for creating a heaven on earth, but if we do actually accomplish the transformation, whereby *none shall be left out of the fold*, we must come down from our balloons and actually plant a single grain of new principle; watch it germinate, nurture it into strength with love and devotion, as we were loved and nurtured.

NOW FOR THE WAY.

Probably no better illustration can well be given whereby a deep impression may be effected than to picture a proposition in motion, which should include all the phases of life, and demonstrate what it is to live and move and have our being, with ample provision for every feature of our existence now and forever. Why should we attempt to make a distinction in providing for soul and body? Are they not in combination and fed at the same moment, and do they not grow at all hours? Cannot

IT IS IT

a man say vespers more happily after a bath and arrayed in fine raiment? Can we not after a good meal—feeling that all are fed—enjoy to a higher degree the song of the birds and the whispering winds? Surely it is a precious gift of God that we crave to be elevated; it is nature that dwells within every breast.

Under this new proposition there is little in rigid economy, and except this were true, China would be an exalted nation, for her wise men have taxed their wisdom endeavoring to ascertain how cheap a substance can be produced with sufficient nutriment, whereby humanity can slime over the face of the earth in paper clothing. China could not give the electrical age.

The same principles apply to eccentric or fanatical people. Instance, a husband or wife undergoing a change of heart, turning their faces from the wrong towards right, which is a necessary, grand and exalted determination, in order to reap the best enjoyment out of life; but he does make a mistake when he asks his wife to sell her silks and satins, and give all to missionary work, whereby her mind is impressed and depressed, until she is willing to dress extremely plain; hence, appears extremely forlorn, whereas these articles give

IT IS IT

labor to humanity, and give grace, beauty and loveliness to woman, the apple of man's eye.

When woman is adorned equal to the "Lily of the Valley" or the "Bird of Paradise," man will have rivaled the mark set by God's law, and that should be our aim to beautify, to beautify, to beautify.

THE PLAN OF THE PROPOSITION IN MOTION, DEMONSTRATING WHAT IT WILL BE TO LIVE, MOVE AND HAVE OUR BEING UNDER UNIVERSAL HUMANE CO-OPERATION.

COMMERCIAL DEPARTMENT.

Twenty-five per cent. of the margins go to promote the welfare of humanity, 70% of the margins go to the patrons in cash or in valued dividend certificates, or upon assurance accumulative plan, as per by-laws of the company.

Five per cent. of the margins go to build and sustain the World's Proctor Memorial Observatory and Temple of Light, in the interests of humanity, the lens to be of the greatest possible power to build under the sectional lens principles, as patented by Prof. Louis Gathmann, the power

IT IS IT

being simply a question of mechanics. The first one constructed is guaranteed by contract to possess four times greater power than the great Yerkes lens.

The second one fifty times the power, the third one one hundred times the power of the Yerkes lens.

THE PRINCIPLE GOVERNING.

FIRST. An association composed of life members of good repute for strict integrity, high character and believed to possess humane feelings to a high degree, from which a directory is annually chosen, all of whom dedicate their supervisorial services free. A third vote of the association is required to either elect or impeach new members.

SECOND. No capital stock authorized, but in lieu thereof the issuance of NEW ERA preferred valued dividend certificates of different denominations, whereby they may answer as a medium of circulation, bearing perpetual dividends respectively of six per cent., payable every alternate month and four per cent. quarterly—after date and forever thereafter, predicated upon the enterprise, without personal liability, non-assessable and never redeemable. The realization from the disposal of which is the capital for operation.

IT IS IT

THIRD. The capital never to be impaired by contracts, or debts or expense of any kind or nature. When the business is deemed to have assumed proper magnitude, the issuance of both preferred and valued dividend certificates may be suspended and margins declared to patrons in cash.

Persons entering the services must subscribe to the following:

I hereby certify that I have read in detail the by-laws and rules of this company, and enter into their services fully understanding that the compensation for my said services shall be fixed by the directory at least weekly; and furthermore, I agree that the said sum fixed by the said directory will be accepted by me as full payment, I reserving the right to leave their services by giving one day's written notice, the company agreeing to give me ten day's notice when my services are no further required.

DUTY.—To determine the net gain of the business above any impairment of the assets and set aside 70% of the net gain funds to go to the benefit of the patrons, either in cash or become increased capital, and valued dividend certificates to be issued to the patrons in lieu of cash, bearing 4%

IT IS IT

perpetual dividends, payable quarterly, it being discretionary with the directors to take into consideration certain staples, which may be taken advantage of by jobbers and others and allow no rebates to purchasers.

Instance—Supposing fifty cars of merchandise are purchased and the association unloads one-half at a fractional advance and does not allow enjoyment of rebate, this would enable the association to compete for large trade without purchasers enjoying the regular patron's rebate.

Twenty-five per cent. of the net gain to grant comfort in infancy and old age, sickness and distress. A proportion may be used to promote enjoyment and benefits of the highest art, wisdom and healthful diversion and lend encouragement to a grand central association, which may include a general purchasing medium for a national or world association.

No credit can be granted, no debt incurred. Goods on commission may be accepted, under special defined contracts in writing, where in case of conflagrations advances made by the association are first to be paid in full.

Certificates may be offered upon cash, installment and accumulative plans. The accumulative

IT IS IT

principle provides for acquiring more certificates with margins, until a certain age is reached by the beneficiary, it being a mutual assurance policy.

ORGANIZATION.

THE ORGANIZATION OF (SAY 21) TRUSTEES, CHOICE OF DIRECTORY, A PRESIDENT, VICE-PRESIDENT, SECRETARY, TREASURER AND MANAGER.

Capital is now invited, and as there is no provision made for capital stock certificates to be issued (if there was it could become a monopoly, because a majority would possess governing power).

THE PROCREATOR APPEARS, SOMETHING NEW UNDER THE SUN, BORN WITH A DESTINY TO WORK THE MIRACLE. IT IS THE SIMPLE, ALL-POWERFUL POWER, REPRODUCING ITSELF, OUT OF ITSELF GIVING LIFE.

THE BIRTH OF A NEW CREATOR.

PREFERRED VALUED DIVIDEND CERTIFICATES.

In consideration of five dollars, United States gold coin, paid into the treasury, THE FIRST

IT IS IT

NATIONAL NEW ERA OF
U. S. A., a trust under the laws of,
guarantees to perpetually pay upon presentation
at home office five cents upon the first of every
alternate month after date officially recorded and
countersigned by the president and treasurer of
this company upon the back of this preferred
valued dividend certificate. This dividend is pre-
dicted upon the earnings of this enterprise, with-
out personal liability, and non-assessable, in ac-
cordance with the by-laws.

(Seal),
President.
.....,
Secretary.

Upon the back of this certificate is as follows:

Official stamp indicates dividends paid. If not
convenient to present at office this certificate may
be mailed direct, when it will be promptly re-
turned with dividends, accompanied with state-
ment showing condition of this company's affairs,
the bulwark of which is: no debts or credits in-
curred, capital kept unimpaired, patrons become
principals; no monopoly possible.

With the realization upon the sale of these cer-
tificates the amassing of the commercial wealth

IT IS IT

of the world begins, for they are never redeemed, and money received for them cannot be paid out, except to acquire assets, with a fixed value to be kept unimpaired and not to be parted with except for original cost and in addition thereto a margin, all being subject to by-laws.

THE AUTOMATIC PRINCIPLE EVOLVED.

The holder of the preferred valued dividend certificates receives but 6% dividend, regardless of the earning.

The consumer receives 70% of the margins (not in cash, for this is retained in the treasury) by having issued to him a valued dividend certificate bearing 4% dividend, thus leaving the capital, which remains in the treasury. Hence the automatic principle lies in the fact that all margins going to consumers become increased capital, which remains in the treasury, represented by certificates in the hands of the consumers, which are never redeemable. The dividends are paid in the coin of the realm, thus the certificates give life out of themselves, increasing naturally, like unto parasites, their destiny being to conquer the world and set men free.

IT IS IT .

THE BEAUTY OF THE PRINCIPLE ILLUSTRATED.

Using the Wanamaker business as an example, let us presume that merchandise to the value of two million dollars are lying idle in stock waiting for the consumer. Now, instead of being the property of one man or firm and dead capital, so to speak, until purchasers appear, the merchandise would under this principle be represented by two million dollars in valued dividend certificates, in the hands of tens of thousands of consumers, bearing 4% dividends, representing gilt-edged certificates of various denominations. Certainly their value would be greater than that of the United States bond and more desirable than dead gold or silver, hence behold a new medium evolved out of itself based upon a solid live investment, heretofore lifeless, which cannot be impaired, and cannot move without first paying dividends, enjoying the confidence of the people and eagerly sought for. Mr. Wanamaker would be enjoying a salary the same as Mr. Rockefeller in the Standard Oil Company, the overflowing treasury would naturally extend the enterprise automatically, and eventually in combination adjust the medium of the world upon a solid basis in

IT IS IT

accordance with its demands, wholly governing the circulation without the aid of any government and leave a net clear gain to the consumer, who would simply be taking the margins which now go to the monopolists. Therefore, the people would enjoy co-operation virtually without a dollar invested, but rather because the people trade with this co-operative institution. Now we will rest here and go forward with a new organization set in motion, encompassing the entire question, making plain the destiny of Procreation, which, simply by the turn of genius or the finger of destiny, made visible, humanity is supplied with food and raiment and all the good things of the earth with heaven's richest blessing.

For these valued dividend certificates are more precious than lifeless gold and silver that do not grow while you sleep. As they bear alluring dividends, greater than savings banks or government bonds, and under the new tree of life with its branches encircling the earth, humanity will rest serenely, happy as the birds, for the last battle has been won and all the good things of the earth and the heavens are ours at home in our Father's house, for in the great plan of creation none are left out of the fold.

IT IS IT

A SIMPLE EXPLANATORY COMPARISON.

The Standard Oil

vs.

Humanity's First International Trust.

Under the Old Way—Mr. Rockfellow's stock is entitled to all the dividends.

Under the New Way—Mr. Rockfellow's stock (valued dividend certificates) would draw only 4% dividends. The remainder would be distributed as follows:

70% to patrons, in certificates, bearing 4% annual dividends, never redeemable, leaving the 70% cash in the treasury, for the expansion of the enterprise.

25% to humanitarian works.

5% to the great observatory.

HOW TO LIGHT THE WORLD'S BONFIRE.

The idea launched by taking up Baking Powder:

First. Consider that we establish a new principle, play an open hand, and furnish pure food.

Hence our motto PURITY.

OUR LABEL

HUMANITY



GOVERNMENT STANDARD

BAKING POWDER

Absolute Mutual Co-operation.
Patrons Become Principals

Twenty-five per cent. of the margins go to promote the welfare of humanity.

Seventy per cent. of the margins go to the patrons—in cash valued dividend certificates, or upon assurance accumulative plan, as per by-laws of the Company.

Five per cent. of the margins go to build and sustain the World's Proctor Memorial Observatory and Temple of Light in the Interests of Humanity—the lens to be of the greatest power possible to build.

MANUFACTURED BY

Humanity's First International Trust

NEW YORK CITY, NEW YORK, U. S. A.

U. S. G O V E R N M E N T ADMONISHES THE PEOPLE

BAKING POWDER—what is it? A mixture of two well-known chemicals, Potassium Acid Tartrate and Sodium Bicarbonate. These two chemicals when combined in proportion to their molecular weights (i. e., so there shall be no excess of either) and mixed with a small percentage of some inert substance, such as corn-starch, forms a true Baking Powder. Any other chemical added must be called an adulterant. The Humanity Baking Powder is manufactured on the above theory. As a result we have the greatest possible amount of leavening power (Carbonic Acid) and the least possible residuum in the bread, namely Sodium Oxid, and Potassium Oxid. There is no Alum, Ammonium Carbonate, or Tartaric Acid in the Humanity Baking Powder. The chemists of the U. S. Department of Agriculture have recently concluded an elaborate investigation of the baking powders found in the markets, the results of which have been published in Bulletin No. 13, Part Five, which can presumably be still obtained from the Commissioner of the Department. From this it appears that many of the Baking Powders sold contain Alum and Ammonium Carbonate ingredients which are recognized as harmful and are added for the sake of cheapness. As a fitting conclusion to his labors, Mr. Crampton, the chemist, who conducted the investigations, gives testimony that a proper mixture of the chemicals stated above produce a Baking Powder as near the ideal as possible.

E. H. FOSDICK. *Chemist.*

THE WORLD'S NEW ERA

UNIVERSAL CO-OPERATION

EVERY can of Humanity Baking Powder contains a unit which is unitable and entitles the holder to a Valued Dividend Certificate, bearing perpetual dividends predicated upon the earnings of the enterprise without personal liability and non-assessable. The value of units is determined by the Directors upon the first of each month, upon the absolute mutual co-operative plan, whereby the margins go to promote the general welfare of humanity, as stated. The members of the association are not proprietors, but rather trustees for the Valued Dividend Certificate holders, with monuments indicating their course so well defined, that the trustees need not err therein. Trusting that this principle will meet with general favor and awaken all more keenly to realize that we are "our brother's keeper," we solicit your patronage and shall be glad to mail complete workings of the institution.

Work with us and believe us,

Faithfully yours,

Humanity's First International Trust

NEW YORK CITY, N. Y., U. S. A.

IT IS IT

OFFERED FOR SALE. THE PEOPLE TALK
WITH HUMANE MONEY-MAKER AND
ASK HOW PATRONS BECOME PRINCIPALS.

Q. Why should I buy Humanity Baking Powder.

A. It represents purity. The formula is United States chemist's reports as to the best and purest elements to enter into the manufacture of baking powder, hence into the structure of man. It is a sin to knowingly destroy the stomach of the innocents, for knowledge makes us personally responsible to our loved ones, our country and our God, for now the government has admonished the people.

Q. What is the price?

A. It must be the maximum and full value given, for we must amass capital. It is humanity's Savings Bank and Assurance Company that will strike terror to the ranks of the monopolists, dissolve them peacefully and simultaneously grant dividends.

Q. How will it dissolve monopolies peacefully?

A. The monopolies will eventually have no patrons, hence are peacefully dissolved. The people are moving and will no longer destroy them-

IT IS IT

selves. The gigantic octopus will cease to breathe, now and forever.

Q. In destroying one monopoly is not another builded?

A. No, for no one is left out of the fold; it is all humanity awakening; no proprietors appear; it is a trust in the reigning supreme God, who is binding his children together with the endless golden thread of conquering love and the angels are winding it around the hearts of the people. The day is breaking and at last we hear the chant of the Stars of the morning, and
BEHOLD A NEW CREATION AT HAND.

A MOTHER MAKES A RESOLVE.

The sagacious, considerate mother buys a box of Humanity Baking Powder and finds in the can a unit which is unitable and governs the margins above the cost of production. She finds her biscuits are white, light and beautiful as she never before saw them. She reads upon the wrapper 25% of the margins go to humanity. A new thought has come to her this night while alone with the molding board, when her little ones are tucked away sleeping, and all is hushed and still. She plunges her hand through the dough with a

IT IS IT

cheerful light heart as she realizes the import of "25% goes to humanity," and she soliloquizes: "Simply by my using what is best I should use, doing what is really best for me to do, some other mother's children shall not go to bed hungry. Then a mellowing thought pulsates through her heart, for she has breathed out to humanity, and her soul is lifted up, up, up."

She reads further, "70% of the margins go to patrons." It has now dawned upon her that she is a part and parcel of this institution, and selfishness, which ever lurks within the human breast, is appeased. She reads further, "5% go to build the world's greatest observatory and Temple of Light on Mount San Miguel, Cal." This brings grand and lofty thoughts, carries her away from the drudgery of the day, for her mind flies to Sunny Golden California, shoots up through the great telescope to her immortal abode, not made with hands, eternal in the heavens. She cries: "My heart is leavened, my purse is leavened, my soul is leavened. I now realize that life is worth the living."

IT IS IT

THE BEGINNING OF THE END!

HUMANITY CRIES VICTORY!

A castle of monopoly has fallen!

Baking powder trusts disintegrate and sound
the death knell to all monopolies!

STATISTICS.

Estimated annual sales of Baking Powder in the U. S. only.	\$40,000,000.00
Estimated cost of production and manipulation	20,000,000.00
	<hr/>
	\$20,000,000.00

Estimated net gain
for distribution:

70% to Patrons....\$14,000,000.00

25% to Humanity.. 5,000,000.00

5% to the World's

Proctor Memorial
Observatory and
Temple of Light
on Mt. San Miguel,

California. 1,000,000.00

\$20,000,000.00 \$20,000,000.00

IT IS IT

THE AUTOMATIC PROCREATIVE THEORY A REALITY.

It gives life out of itself.

The procreative powers are demonstrated.

Patrons become principals.

Capital automatically increased, valued dividend certificates issued to represent the value of the new investment, which cannot be impaired, therefore every certificate has a solid backing and is self regulating and cannot be disturbed by governments, a lunatic shouting in Wall Street, Black Fridays or moneyed centers. Confidence is established and the people use the certificates as a medium of exchange as they become intelligent in the premises. The people possess absolute knowledge and assurance from open books that no debts are incurred and no credits allowed. With surplus capital, other enterprises launched only on an absolutely safe basis. By the accumulation of \$14,000,000.00 annually, represented by like amount of valued dividend certificates in hands of the patrons, never redeemable, bearing 4% revenue, paid in the coin of the realm, quarterly with each year's gains, bringing an additional \$14,000,000.00 to be used for expansion, thereby demon-

strating its procreative power. This work of destiny to go forward until its branches have extended around our globe. Humanity at last as happy as the birds, for the great problem of existence is solved. We now realize that we are given life to be exalted and not cast down. Furthermore, 25% goes to humanity, being the sum of five million dollars for charity in the United States alone, to be increased annually. This mighty sum, contributed by the leavening power of the masses, forms a composite figure that will make a rift in the dismal black clouds that have hung over the people like a pall, blinding the sight, stifling the reason, starving the poor, trampling humanity down, down, down; crushing out hope.

We shall treat later about a new way to make at least a partial distribution. The work to be carried out under this plan of relief and carry its promise to all humanity calls for great reformers, before which the agitating liberators of the slaves, through Father Abraham, will appear to have faced a light grievance, when you take into consideration that about 4,000,000 were declared free from a bondage that gave them food and raiment. While humane will save from starvation and degradation manifold millions, lifting them up into a

IT IS IT

realm of pure delight. Consider the poor and starving of this land of the free and the home of the brave, consider India and her starving millions. Aye, turn your face whither you may, ponder well and ask yourselves: "Are we our brothers' keepers?"

Five per cent., amounting to one million annually, to build and sustain the World's Proctor Memorial Observatory and Temple of Light on Mt. San Miguel, California.

The first lantern hung out from the heavens to all the world that flashes no written creed, yet one that sheds its light for men of all creeds and nations, whether Confucianists, Buddhists or Mohammedans, Greeks or Romans, Catholics or Protestants, Jew or Gentile. We repeat, men of every creed, clime and nation do hunger and thirst for knowledge and truth relating to the construction of the universe and a ray of light that blazes the way to peace, be still. Therefore, behold the world for the first time since the building of the tower of Babel co-operates to build the most colossal structure ever conceived for this earth, and here is the idea:

A telescope of gigantic proportions, under the Gathmann patented principles of the sectional

IT IS IT

lens (the first improvement over single lens since Galileo's time), whereby five, ten, fifty, one hundred, yes, one thousand times the power of Mount Hamilton or Yerkes' lens is obtainable; the power being simply a question of mechanics.

THE WORLD'S PROCTOR MEMORIAL OBSERVATORY ASSOCIATION.

Incorporated under the laws of the State of California.

RICHARD A. THOMAS, President.

(Late Bank President.)

HON. J. F. KINNEY, First Vice-President.

(Late Governor of Utah.)

ALFRED H. ISHAM, Second Vice-President.

JOHN H. THOMAS, Secretary.

(Brother of Mrs. Richard A. Proctor.)

THOMAS E. METCALF, Treasurer.

(The Builder of Escondido.)

HON. N. H. CONKLIN.

(Judge of the Superior Court.)

HON. JOHN D. WORKS.

(Ex-Associate Judge of the Supreme Court of California.)

IT IS IT

THE PLAN OUTLINED.

Why San Miguel, Cal., is the favorite location is embodied in the following petition:

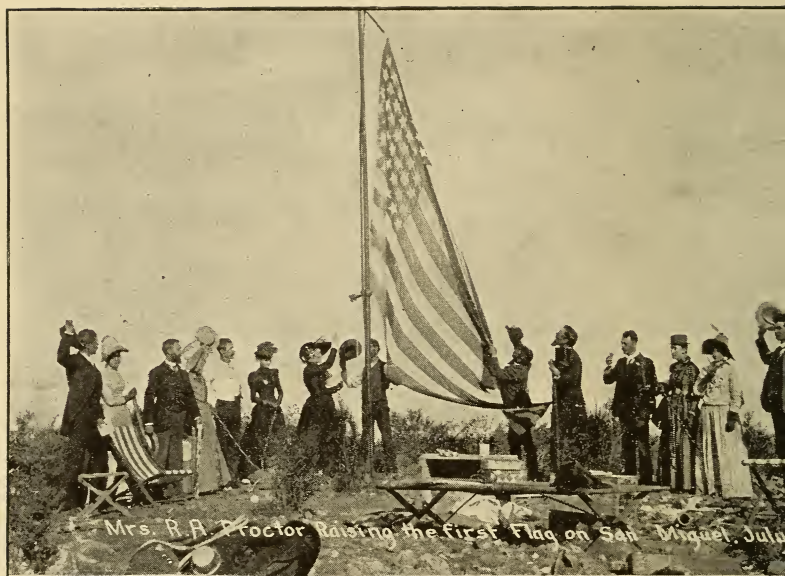
“A PETITION TO THE CONGRESS OF THE UNITED STATES OF AMERICA:

“We, the undersigned, people of the nations of the earth as set forth, humbly petition your honorable body to hear our appeal.

“Greeting:

“In view of the alleged discovery by actual observation by Mrs. Richard Proctor, astronomer, widow of the late Richard A. Proctor, astronomer, the said observation having been made upon Mt. San Miguel, Cal., with a telescope, and reports of same herein embodied, and in addition thereto claiming that the said Mt. San Miguel is the only mountain discovered in any quarter of the globe enveloped in an atmosphere practically free from vibration, whereby lens of any power possible to build can be operated.

“Furthermore, that a principle of building a telescope has been patented by Louis Gathmann, corner Lincoln and North Park avenue, Chicago, Ill., and that the said Gathmann actually has con-



MRS. RICHARD A. PROCTOR RAISING THE FIRST FLAG UPON THE
CROWN OF MT. SAN MIGUEL.

IT IS IT

structed at Chicago a complete telescope under these principles, and has demonstrated to the satisfaction of eminent astronomers that the power of the lens is simply a question of mechanics, and we embody herein the following document as conclusive proof:

Prof. Gathmann addresses the following letter:

“THE WORLD’S PROCTOR MEMORIAL ASSOCIATION, R. A. THOMAS, PRESIDENT:

*“Gentlemen—*At the suggestion of A. H. Isham, your second vice-president, who has lately called on me and examined the construction of my sectional lens telescope, and the world’s greatest work, I will for the sum of five hundred dollars erect on the crown of San Miguel Mountain, near San Diego City, a telescope containing an object lens constructed according to the sectional lens system.

“This telescope is to have a magnifying power of at least five times that of the Lick, located on Mount Hamilton, California. If a contract should be ratified and the necessary funds are at hand, the telescope could be completed within a year or fifteen months from the time of the commencement of actual work.”

IT IS IT

Your second vice-president also read and signed the following official statement:

“The undersigned having visited the Gathmann Observatory, and having made observations of the moon, planets and fixed stars, with the new sectional lens telescope, do pronounce the same to be perfect in focus, excellent in definition, free from chromatic aberration, while to all intents and purposes it is as fine a telescope as we have ever had the pleasure of examining; and, further, we see no reason why the same results should not be obtained in instruments of any size.”

This statement was signed by many eminent authorities, who had made observations and signed the above statement. Many more could be named, but these should prove sufficient:

Prof. A. C. Albertson, Royal University, Copenhagen.

Andrew James Park, M. D., graduate of Harvard University.

J. H. Francis, Chicago.

Andrew McNally, Chicago.

Br. W. S. Bell, Chicago.

W. E. Hullinger, Swiss Consul.

Prof. T. S. C. Bowe, Pasadena, Cal.

Henry A. Allen, Lieut. U. S. N.

W. S. Fowler, optician, Chicago.



PROF. LOUIS GATHMANN,
INVENTOR OF THE GATHMANN SECTIONAL LENS, INVENTOR OF
THE GATHMANN GUN—BOTH LONG RANGE.

IT IS IT

Trusting that the same action may soon be taken regarding the building of the large telescope on the sectional lens system by your organization, Yours very faithfully,

LOUIS GATHMANN.

P. S.—Kindly send me the names of the officers of your organization and oblige, as I have forgotten to ask Mr. Isham.

(Signed)

LOUIS GATHMANN.

PROCTOR REPORTS ABOVE CITED.

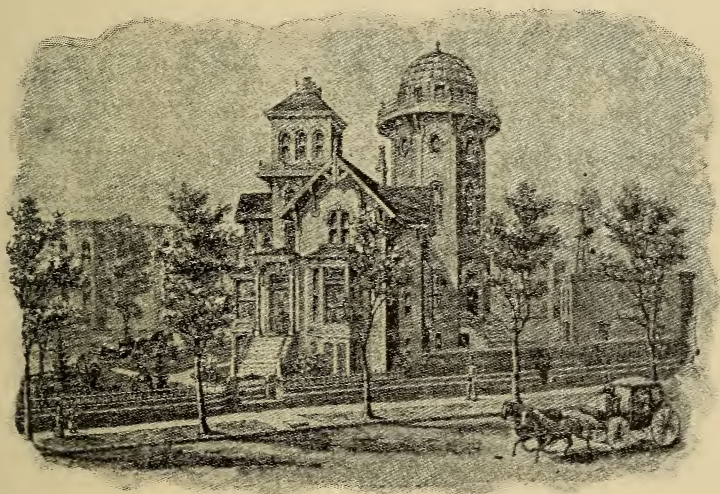
(As to Scientific Observation with a Telescope on Mt. San Miguel.)

After a prolonged scientific observation with a telescope, under varied atmospheric conditions, which warranted her in pronouncing all the conditions favorable for the sublime colossal work intended to polarize the light of unrevealed orbs and solve questions uppermost in the minds of scientists and of the deepest interest and solicitude to mankind, Mrs. Proctor, in her reports, records a remarkable view through the three-inch glass of the double stars, Antarus and Arcturus, which usually requires a glass of from five to nine inches to find. They waited for Orion, which appeared between midnight and 1 A. M. This con-

IT IS IT

stellation is one of the richest parts of the heavens, full of all sorts of Nebula. They found the Fish Mouth Nebula at the head of the sword and six of the Octuple stars, which only six or nine-inch glasses can bring within range elsewhere, tests as conclusive proofs of the wonderfully clear atmosphere of the mountain for astronomical work.

Therefore we beg your honorable body to appoint a committee to duly investigate the alleged discoveries, claims and patents, giving construc-



THE GATHMANN TELESCOPE AND HOME.

IT IS IT

tion of telescope and, if approved, notify all nations of the fact, invite them to contribute funds, guarantee their accredited representatives protection and free communication with their governments as reports of sidereal research at all times, whether in peace or in war.

We most respectfully submit our appeal and ask for your prompt action, and beg notice of our signatures hereto appended.

(Signatures.)

Circulate a petition and mail to Alfred H. Isham, 1142 $\frac{1}{2}$ Broadway, to be attached to great petition.

In the United States Consul's Reports of all nations is set forth the various temperatures of the different countries, determining that a strip of the country bounding the Bay of San Diego, California, enjoys the most equable and healthful climate, and this report is substantiated by eminent travelers and observers, among them no less a personage than Prof. Agassiz.

IT IS IT

PRINCIPLE GOVERNING CONSTRUCTION— GATHMANN TELESCOPE IMPROVE- MENTS—THE DIVIDED LENS.

ENTHUSIASTIC CLAIMS OF ONE WHO HAS MADE
CAREFUL EXAMINATION AND INQUIRY.

From Chicago Inter-Ocean.

A great deal has been said pro and con about the improvements in the telescope said to have been made by Mr. Louis Gathmann. Among those interested is Lieutenant H. A. Allen, late of the United States Navy. He with others made a visit to Mr. Gathmann and inquired into the reported discoveries. In an interview yesterday he said:

"I have carefully examined Mr. Gathmann's method of constructing a sectional lens telescope, and am thoroughly convinced that he has made one of the greatest discoveries of the century for the advance of the astronomical science."

What led Mr. Gathmann to make this discovery? Some nine years ago Mr. Gathmann wished to obtain a large telescope to assist him in astronomical observations, in which he took great interest.

Owing to the high price of the large telescope

he concluded that if he would become a possessor of such a one he must himself make it, and conceived the idea of constructing a lens of several pieces, instead of one piece of glass. His first efforts to this end were unsuccessful, and on applying to several leading opticians of the day for advice he was told that to make a telescope lens of several pieces of glass was an impossibility.

Mr. Gathmann still held that it was right, and after several years of experimentation constructed a seven-inch telescope, the object lens consisting of twenty-six separate pieces of glass.

How are the lens constructed?

Here is a sketch (figure) showing the surface of the lens. The light circular spaces marked "A" are the different sections of glass, the dark space surrounding these sections is the frame or matrix into which the sections are firmly cemented. Outside of this frame is the tube of the telescope. Fig. 1 shows the construction of Mr. Gathmann's seven-inch telescope, with the exception of five much smaller sections. Fig. 2 shows the construction of the fifty-inch glass that is soon to be builded.

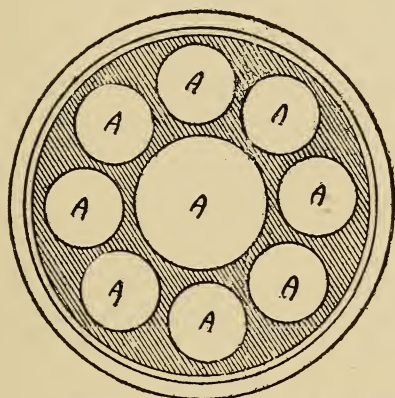
How can these separate lens be focussed?

To grind each section separately and then focus

IT IS IT

would be a practical impossibility. But by first cementing all the sections in the frame and then grinding them, combination as a single lens, all the points in the surface of the sections must necessarily focus.

FIG 1



LENS OF 7" TELESCOPE

Then the grinding is done exactly in the same manner as in the present systems.

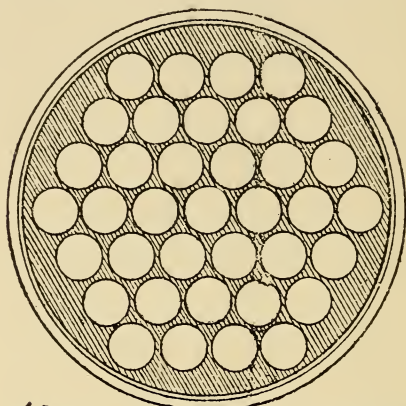
Yet, although Mr. Gathmann has a much improved method of grinding that is consequently applicable to all other systems of telescope lenses.

How does this seven-inch glass compare with other telescopes?

From personal observation and from opinions of many well known astronomers who have

IT IS IT

made observations with it, I should say it is one of the most perfect telescopes in the world.



*LENS OF NEW 50" TELESCOPE
FIG 2*

It is true that it is not as large as many others, but it is superior to the majority of sixteen-inch telescopes. It is better, because it is a comparatively easy matter to secure small pieces of glass

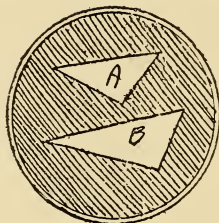


FIG 3

without imperfections. Also a change of temperature causes fewer defects than with other forms of large lenses.

Why is it that smaller pieces of glass should be more perfect?

It is a well-known fact that the larger a mass in cooling from a molten state to a solid the greater will be the proportion of imperfection or gas bubbles. This is especially so in the case of glass. The exterior of the mass cooling first causes a compression on the interior, and at the same time forms an outside layer more difficult for the gas to be forced through. The gases that are not allowed to escape from, so to speak, gas



Fig 4

bubbles. By cooling under pressure, and even long intervals of time, a portion of the difficulty is overcome, but by the examination of large lenses defects consisting of thousands of minute gas bubbles will be found. As each such defect absorbs many rays of light that otherwise would be useful or cause confusion thereof, it is readily seen why Mr. Gathmann's telescope, with its perfect glass, should give such superior results.

IT IS IT

What size glass will Mr. Gathmann use in his new telescope?

He will make his sections of glass only as large as is practical with surety of perfection. The size of each section will be somewhere between three to six inches in diameter.

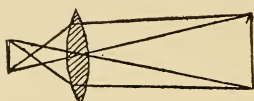


Fig 6

How about a difficulty in obtaining glass of the same density and reflective power for all the sections?

When all the pieces for a certain lens are cast

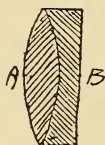


FIG 7

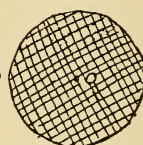
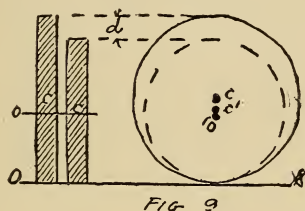


FIG 8

from the same heated mass of glass, and under the same condition and temperature, by actual trials there is found to be no practical difference in the density of refractive power of the several pieces.

Will not the edges of the glass cause reflection and confusion of rays?

Here it is that Mr. Gathmann has made his advance. The edges of the sections are ground smooth and then set in position in the frame of the matrix with a perfectly non-reflecting cement, the obtaining of which took several years' ex-



periments. The cement thus forms a double duty, that of holding the sections in place and that of preventing confusion of rays by being non-reflective.

How about the spaces between the sections, that is, the space occupied by the frame?

Now you have asked a question that brings out Mr. Gathmann's great optical discovery, and I will endeavor to explain.

Mr. Gathmann possesses a fine four-inch German-made telescope. To prove his theory he cut the object lens into several pieces, two of which, after having their edges blackened, were set into wood and cement and focussed to same point. These pieces are shown in Fig. 3 by A and B.

If Mr. Gathmann's theory of the sectional lens is correct, a perfect image should be obtained on sighting at any object. Placing an inverted photograph upon the table, about thirty feet from this telescope, and adjusting the eye-piece to the eye a perfect image of the photograph will be seen.

The telescope used in this manner acts as a powerful microscope. In observing lines or colors a perfect image is invariably obtained.

Turning the object lens on the axis causes no change in the eye. Covering up one of the sections does not interfere with the image, with the exception that it is not so clearly defined, as less light is admitted. If the eye-piece is not in the focus of the object lens two images will not be seen.

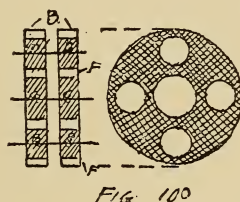
What does this prove?

That the action of a lens is entirely independent of its shape and a number of pieces used in the construction, other things being equal; but depends on every point in its surface having the same focus for light rays and on the area exposed to the light.

To illustrate more fully this fact, take an ordinary magnifying glass and cut several discs out of

cardboard, or other suitable material, so as to fit in the frame of the holder. It is preferable to blacken the cardboard. Cut out portions from the discs, as shown in A, B, C, Fig. 4, or any other shaped portions desired.

On holding a glass between jet and a card or other surface, by moving in proper positions you obtain a perfect image of the flame on the card. Notice the brightness or intensity thereof. Now place one of the prepared discs on the side of the



glass toward the flame, as shown at d, in Fig. 5. If the card is at the focus of the glass, you will see but a single image, but if not you will observe one image for each hole in paper disc. By moving in proper direction all the separate images begin to blend, till when at the focus they become one. Noticing the intensity in all cases, you will find that the image is brighter as the area of the lens exposed to the direct rays from the flame is greater.

How do you account for this phenomenon?

Because every point in the surface of a perfect lens focuses rays at the same focus, and every point gives practically a perfect image at such a focus. This last is an optical discovery of Mr. Gathmann.

How do you account for the phenomenon not having been previously discovered?

We needed the man to stand the egg on end. Also in all optical work we see diagrams in Fig. 6, so we get the idea that the lens must be symmetrical and circular. We have thus overlooked the fact that the image in a telescope is practically a combination of an infinite number of images, each point in the surface of the objective lens adds its small amount of light with a perfect image and intensity or definition of the final image in the integral of these small intensities.

It has been stated that the changes due to variations in temperature will make this system impractical, all other things being allowed. Such is not the fact. On the contrary, less difficulty is experienced in expansion and contraction by the Gathmann system than by any other system of large lenses. Take, for instance, this sketch, Fig. 7. This shows one form of object lenses and will

IT IS IT

do to explain for all. The combination is necessary to prevent formation of improper colors in the image. A is made of a crown and B of flint glass, the least co-efficient of expansion for different grades of glass.

In the large telescope the lenses will rest on that side toward the earth. Say, for example, that the telescope is horizontal and that A and B, Fig. 8, represent the pair of lenses in the object glass thereof. When ground at same temperature and perfectly adjusted the centers, C and C, of the two lenses will be in same line with focus, which will be the axis of the telescope tube.

How may the temperature be increased? The result will be as in Fig. 9, only not so exaggerated. Thus the centers are actually thrown out of true mathematical position. D represents the difference due to change of temperature and equality in the co-efficients of expansion, A and B. The center, C, will be nearer the support, e, k, than the center, C by $\frac{1}{2}$ D.

But now take Fig. 10, representing roughly a cross section of Mr. Gathmann's system of lenses. The space marked F, Fig. 10, are sections of the frame between the three pieces of glass. The figure represents a section of the lens caused by cut-

IT IS IT

ting with a vertical plane through the center of the lens. As the frames are made of the same material the co-efficients of expansion of both frames of A and B are practically the same. The result is that the centers of the opposing sections of glass, $e, e'—c, c'—d, d'$, are equally carried up on an increase of temperature.



MT. SAN MIGUEL—PROGRAM.

Dedicated for the Building of the World's Proctor Memorial Observatory and Temple of Light by Mrs. Richard A. Proctor. At home, Top of San Miguel Mountain, from September 15 to September 22. Will entertain visitors with telescope and star talk.



MRS. RICHARD A. PROCTOR,
ASTRONOMER.

IT IS IT

THE WORLD'S
PROCTOR MEMORIAL ASSOCIATION,

organized under the laws of the State of California, United States of America, for the purpose of erecting a Memorial Observatory and Home of Rest for the genius of the

Earth and Founding

The World's Great Temple of Light,
for advancement in knowledge concerning the
construction of the Universe.

To the memory of

RICHARD A. PROCTOR, ASTRONOMER.

For the purpose of erecting upon the crown of Mount San Miguel, situated in the county of San Diego, in the State of California, in the United States of America, the greatest observatory possible to build, this being the point favored and dedicated by Mrs. Richard A. Proctor, upon the fourth day of the month of July, A. D. 1890, upon which occasion Prof. Chas. L. Williams delivered a prophetic poem, entitled "Mt. San Miguel."

"And whispering winds have breathed a name
Till men have heard and echoed fame,
Have crowned thy peaks with castled halls,
And in the Heaven's Jeweled Walls,
Have named the stars unborn."

IT IS IT

After prolonged scientific observation with a telescope, under varied atmospheric conditions which warranted her in pronouncing all the conditions favorable for sublime colossal work intended to polarize the light of unrevealed orbs and solve questions uppermost in the minds of scientists and of the deepest interest and solicitude to mankind, Mrs. Proctor in her reports records a remarkable view through the three-inch glass of the double stars, Antarus and Arcturus, which usually requires a glass of from five to nine inches to find. They waited for Orion, which comes up late between midnight and 1 A. M. This constellation is one of the richest parts of the heavens, full of all sorts of Nebula. They found the Fish Mouth Nebula at the head of the sword and six of the Octuple stars, which only six or nine-inch glasses can bring within range elsewhere; also the beautiful double stars in Orion's belt. Mrs. Proctor reported these tests as conclusive proofs of the wonderfully clear atmosphere of the mountain for astronomical work.

Mount San Miguel comprises about 12,000 acres, elevation of crown about three thousand feet, being eighteen miles from and commanding the Bay of San Diego, the Peninsula and the Isles of Coro-

IT IS IT

nado to the south, including the Pyramidal Mountains of Mexico; to the north stretched away to the Catalinas, overlooking a vast, beautiful country of hills and valleys, populated by a progressive Californianized Spartan people from every quarter of the globe, with homes among lemons and orange groves, enjoying a climate unexcelled, and with a thermal belt within its foothills, where to the knowledge of the residents frosts have never appeared or excessive heat, the mercury never marking more than eighty degrees or less than thirty-eight degrees above zero. This unexcelled salubrious climate and rich verdant soil must comprise (at least a portion) the future parks of cities about San Diego Bay and Mount San Miguel proper, with the grand water systems and mighty flume cataract power at her doors, become the veritable hanging gardens of the Western World, and with electric lights that make the darkest and most tempestuous night but an extended day.

It is indeed meet for the world to do a work for the world's mutual advancement of knowledge concerning the construction of the universe, the enjoyment and elevation of creation.

Let a Temple of Knowledge, Light and Rest be builded to the heavens, upon foundations broad

IT IS IT

and deep, upon the rocks eternal, that the light of the heavens and the earth may polarize.

Now for the method of accomplishing and sustaining unto the end.

An association composed of the representative, progressive men and women of every nation, with the governmental, astronomical, permanent representative, endowed with all the privileges, including the naming of the great astronomer, after demise or resignation of Mrs. Richard A. Proctor (daughter, if she so elects), it being agreed that they shall be the great astronomers, after which choice is to be made by astronomers of nations through duly accredited representatives, as set forth in by-laws.

Funds to be provided by governmental aid. By donations, the donors to be immortalized by monuments along the highway of wisdom, degrees of honor, etc., etc., as per by-laws.

By sale of Proctor Memorial valued dividend certificates of honor, the proceeds to be invested in lemons, oranges and olive groves in particular, and revenues in excess of 6% perpetually, predicated upon net earnings, to go to sustain expenses after completion, whereby no terminal point of support shall ever be reached. By form-

IT IS IT

ing Proctor Memorial Astronomical Societies, to issue lesson leaves edited in turn by eminent astronomers, and degrees of magnitude conferred.

POEM BY CHAS. L. WILLIAMS, RECITED UPON THE OCCASION OF THE DEDICATION OF SAN MIGUEL.

Thou bald old peak, rock-ribbed and bare,
With furrowed cheek and hermit air,
Bold San Miguel, in joy and tears
In good and ill, ten thousand years
Have swept thy battle turret o'er
Nor touched the quick of hearts deep core.

Men, too, have passed, as flowers do,
The short years changing season through,
Where once beneath thy glooming shade,
The Savage child of nature played
And fathers bowed beneath the rod
And walked in peace and talked with God.
The dreary "boomer's" visioned care
Hath reared his castles of the air,
And fig and wine, and olive tree
Vie with the orange witchery.

And yet, tho' tribes have passed away,
Tho' missions fall in full decay,

IT IS IT

And time with mocking finger chides
The vaunted Saxon's boast of pride,
On beating pulse of human ill,
Unconquered thou, old San Miguel,
Look down in noble scorn.

Unconquered nay. To-day, to-day,
The Stripes and Stars in glorious sway,
By balmy breezes gently blown,
Have claimed their solitude their own;
And whispering winds have breathed a name
Till men have heard and echoed fame
Have crowned thy peaks with castled halls,
And in the heaven's jeweled walls,
Have named the stars unborn.

Farewell, brave king; Thy reign is done,
Thy storied greatness just begun,
And bowed before a brother's will,
I greet thee, brother, San Miguel."

Recorded.

MRS. RICHARD A. PROCTOR.

At home,

Top of San Miguel Mountain.

From Sept. 15 to Sept. 22.

Will entertain Visitors with Telescope and
Star Talk.

INVENTOR GATHMANN TALKS ABOUT HIS
SECTIONAL LENS.

To a knot of visitors he explains the principles upon which he works, and incidentally replies to a number of gentlemen, who have scouted his invention.

Louis Gathmann, the inventor of the "sectional lens" for telescopes of large dimensions, was found last evening at his home, at the corner of Lincoln and North Park avenues, explaining the wonders of his discoveries to a little knot of interested gentlemen. The inventor has not been without his critics since giving to the public the result of his researches, and he takes particular delight in confounding them. For this purpose he has become even more radical than he was at first in declaring his new principles of optics, but, being practical man, demonstrates every departure by actual experiment.

"Professor Burnham has proven to the public very conclusively that a perfect lens cannot be made out of more than one piece of glass," remarked Mr. Gathmann, with a shrewd twinkle in his restless little eyes. "I will show you that the outer shape of the lens has no effect on the refrac-

tion of light, and that three-cornered pieces of glass can be made into as good lenses as round pieces. Now look through this little telescope and see for yourselves whether the shape of the object is impaired."

He had focussed a small two-foot telescope across his parlors upon the shade of a lamp. The view was certainly clear and as perfect as one could wish.

"You don't see anything three-cornered in there?" the inventor asked.

"Certainly not," the visitor replied.

"Well, now, look at this object glass."

He removed it from the telescope and showed it to the astonished company. There were two triangular pieces of glass set in a framework of wood, the base of one resting above the apex of the other. Certainly these lens have no resemblance to the ordinary object lens of a single piece of round glass.

TRIANGULAR LENSES LOOK ROUND.

"You are not any more puzzled than Dr. Parks, of Yale University, was," Mr. Gathmann remarked, as he noticed the perplexed countenances of his visitors. "At first he could not even believe

IT IS IT

what his eyes saw, but when I explained it, he said it was one of the simplest things in the world and moreover, one of the most valuable discoveries of the age. If you know anything about optics I can tell how it is that you see only the real object through these funny-shaped lenses, and don't get even a hint that half of the object end of the telescope is filled with wood.

"Now look here," he continued, holding his fingers up to illustrate the object lens and the focus of the light coming through it.

"You can't see anything which doesn't reach your eye, can you? Well, suppose that I place my lens here at the focus of all the rays of light coming through these three-cornered lenses—it must be just at the focus—you won't see anything but these rays of light, will you? No, of course not. These little pieces of black wood don't send very many rays of light. You don't see them; your eye only catches the light from the object and these are bound to be perfect. So you see only a clear outline of the object: But if this record lens is not at the focus of rays of light from the object lens, of course you will not get the collected rays from the object, and then you will be able to see the funny-shaped lenses.

“Now if you are not satisfied that the shape of the lens does not affect the course of rays of light through it, look through the telescope again, and I will nearly cover the face of the object lenses. You will see that the object remains as perfect as before any of the lenses were covered, only a little less distinct.”

The experiment resulted just as he said it would, and even when all the object lenses but a little half-inch space was covered the view was still perfect.

“That is the whole secret of the discovery,” continued the inventor. “If the shape of the lens does not affect its working, the lens may be made up of two odd-shaped pieces of glass, as in the case of this small telescope, or of thirteen small lenses, as in the case of the telescope in my observatory. Professor Burnham has seen fit to criticise this invention quite severely, but he has declined several invitations to come here and see for himself what the invention can accomplish.”

TALKS OF HIS CRITICS.

“There are no new principles of light in this discovery. It is only an application of well-known laws. Every lens in the world is nothing more

in fact than a multitude of little lenses in one piece. Strange enough, the makers of lenses have not before realized the advantage of making their lenses on the principles they profess to have studied. They thought it was a necessity that the lens be a single piece, although they all admitted the impossibility of making a great lens that was ever approximately perfect. Everybody must know that a piece of armor plate is not so carefully hardened as a watch spring, and just so great twenty-six or thirty-inch lens is not near so good glass as a small microscopic lens. If it were, the great lens would magnify the heavenly bodies 10,000 times to the eye, instead of 2,000, as is now done."

Mr. Gathmann went on at length to refute his critics and explain the principles upon which he will construct his sectional lenses for telescopes. He is now preparing to construct a fifty-inch lens, which he is confident will so far excel all other telescopes in magnifying power that it will of itself put all his critics to blush. He realizes that he has gone so far now that to fall anywise short of the greatest achievements of opticians will be considered equivalent to a failure.

When it is remembered that the Yerkes tele-

IT IS IT

scope is to be but forty inches in diameter and that the largest telescopes now in use are only thirty-six inches in diameter, it is easier to comprehend the proportions of Mr. Gathmann's undertaking.

He showed draughtings of plans for the new telescope and explained them fully. The great lens will be made of 182 hexagonal pieces of glass set in frame work of aluminum and held in place by composition of Canadian balsam. The whole will be ground into the shape of one perfect lens, and, moreover, Mr. Gathmann proposes to make it all, including the lenses and the grinding, in Chicago. He says there is as good material here for glass as in any place in the world.

GLIMPSE AT THE HEAVENS.

Mr. Gathmann never allows his visitors to leave without taking them to his observatory and giving them a vision of the heavens through his six-inch telescope, constructed to illustrate his new invention. This vision is certain to dispel the last lingering doubt of the practicability of his discoveries. The observatory is the extension of a high tower at the front of the residence, and is well equipped throughout with appliances for taking

observations. Last night the sky was bright and clear and were it not that many of the most interesting stars and planets were late in coming up it would have been a fine time for star-gazing. However, the telescope was the object of chief interest and it certainly proved to be exceptionally effective.

There was no blue over the object, no indistinctness in the outline. Whatever could be seen was plain to the full strength of the lens.

"Thaddeus S. C. Lowe, of Pasadena, Cal., was up to look at my telescope a short time ago," Mr. Gathmann explained, "and he said this was the clearest telescope he ever looked through. He has an observatory of his own and a six-inch telescope on top of Mount Lowe, and, notwithstanding the atmosphere is much clearer there, he said my telescope was very much better than his. Mine, as you see, has thirteen pieces in the object lens and his was made with a single lens."

LOOKING THROUGH THIRTEEN LENSES.

The Moon, the Nebula in Orion and Jupiter were all observed, and each instance the view was most pleasing. On the Moon the long range of Apenines ending in a vast crater, and the moun-

IT IS IT

tainous region surrounding the crater Tycho Brahe was as bright and clear as was ever seen through any telescope. The Nebula in Orion was also beautiful. This Nebula cannot be seen at all with the naked eye, but through the telescope it comes into view not far to the right of the last star in Orion's sword scabbard.

It is a beautiful constellation of four stars grouped into a solar system of their own—none knows how far away—and around them spreads an irregular halo of nebulous light.

Within this there is a streak of darkness, which is said to be the darkest spot in the heavens. Jupiter was out also in its splendor, with four moons in view, and under Mr. Gathmann's glass showed not less than six dark belts.

"There is no longer any doubt about the sectional lens," remarked Mr. Gathmann, as his visitors left his observatory. "It is an experiment which easily proves itself, notwithstanding what the critics say."

GATHMANN'S SECTIONAL LENS.

Professor Albertson declares it is valuable aid to astronomical research. Civilization and evolution of mankind is forever on its march; step by

IT IS IT

step, long and short, it overcomes all hindrances, forward it goes. Stars of humanity are found scattered throughout history in all its branches of science.

Electricity, from Gilbert to Franklin, from Franklin to Edison and Tesla, with the evolution of details between the different giants of the ages, is now absorbing the interest of the world. Astronomy, from the days of old to Tycho Brahe, from that genius to the great astronomers of our day, in opening up the secrets of the heavens for humanity has made but slow progress.

In physics, and especially in optics, the periods between the great discoveries seem to have been longer than in other sciences. From Galileo to Gathmann are centuries during which principles once established seem to have held the platform with the greatest stubbornness.

But with Professor Gathmann a new era begins. When Lafayette first heard of American independence "his heart was enlisted." Through divine imagination he outlined on the far-off horizon of the future the greatest country, the most intelligent and noblest people among nations; he was with them to help shatter theories and establish facts, for that he was ready to labor and to die.

IT IS IT

When I was invited by Professor Gathmann, of Chicago, to investigate his sectional lens telescope I went and saw and my heart was enlisted at once. To a request of Mr. Gathmann to express my opinion of his invention, I will say that I consider it simply a matter of duty for me to make the subject as clear as possible for those who might be in doubt regarding the fundamental principle involved in the sectional lens telescope. In my opinion, then, there is absolutely no doubt whatever as to the correctness of the physical laws of which Professor Gathmann has taken advantage; the wonder to me is that it was not done long ago. The lens in Gathmann's instrument is simply a number of smaller lenses, whose refraction of light is brought to the one universal focus, all rays of light reaching the one single point. Let us for a moment see how that is possible. In the first place let us take an ordinary ten-inch single lens and cut out portions from any part of it, and fill up the holes with a dark substance, which will allow no light to pass through. The center itself can be cut out. Now will the focal point fall at the same place as when the lens was whole and perfect. Yes, exactly, the truth is that if we could divide the same lens into a million parts and

IT IS IT

let each part keep its same relative position as to the grinding and refraction, we would have a million local points, all falling together as in a single solid lens. Thus it becomes possible to place many suitable pieces of glass in a proper frame work and grind the entire mass to a shape of one lens, and it will work or refract light and create a focus as correctly as the best solid lens ever known. How could it be otherwise? Each point of a single lens is a lens within itself, and each ray of light reaches the established focus. In nature the many small create the great. Our eyes, though two, see only one picture. Our sight organ is a sectional lens. Thus it is really an established fact that a lens of almost any size can be produced by multiplying many small ones.

It is my conviction that this is one of the greatest inventions ever made. Not alone will it make suns and stars descend from the magnificent heights and lay bare their surface to our mortal eyes, but with these lenses photography is also sure to receive an impulse that cannot yet be comprehended. Let us be bold and go a step further. Reverse the principles of action in the sectional lens telescope and create a sectional lens microscope, and with it we might see the myriads

IT IS IT

of dancing molecules. We might be able then to discover mankind's bitterest enemies in the world's microbes and bacteria, and trace the ultimate stem to its source in the one universal element.

Many prominent residents of Chicago have visited the Gathmann Observatory and tested the sectional lens through observations of the moon, planets and fixed stars. All speak words of praise of the telescope in which it is used. They pronounce the telescope perfect in focus, excellent in definition and free from chromatic observation. They say Professor Gathmann's invention will mark the beginning of a new era in domains of astronomy, optic and photography.

OF DEEP INTEREST TO MANKIND.

We embody herein the United States report as to the district of country adjoining the bay and ocean, at which point in valleys frost appears about once a decade, but upon the mesas, surrounding Mt. San Miguel, never in the memory of the oldest residents or in records is it recorded where frost has appeared at any time of the year. This wonderful phenomenon is attributed to the fact that this strip of country is peculiarly pro-

IT IS IT

tected by mountains completely encircling and touching at two points in the ocean, thus enjoying special advantage not found elsewhere, therefore, from the general lay of the land and the peculiar climate, I am deeply impressed and am fully convinced that it is a special act of our Supreme Ruler for a special purpose.

Compliments of Hotel del Coronado

CORONADO, CALIFORNIA

NO KILLING FROST OR HEAT

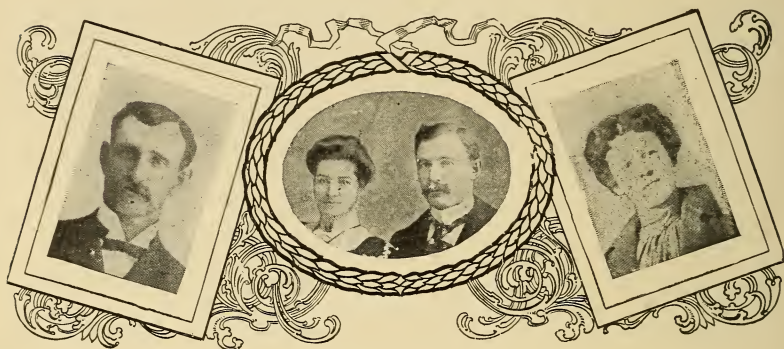
Statement showing Maximum and Minimum temperatures for 27 years at SAN DIEGO, CALIFORNIA, compiled from the official records of the U. S. Weather Bureau, Ford A. Carpenter, Observer. Temperature taken from self-registering instruments.

YEAR	Jan.		Feb.		March		April		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1872	73	37	68	44	71	44	74	43	83	52	80	55	75	58	86	60	80	54	87	45	81	42	72	40
1873	75	41	77	37	73	40	82	42	78	52	75	58	77	60	83	63	82	55	76	49	85	45	68	44
1874	71	42	64	41	63	41	71	43	50	50	76	52	59	59	83	56	78	54	90	46	75	45	85	39
1875	68	42	70	44	71	39	77	39	82	50	77	53	79	61	83	63	88	57	88	53	78	50	75	38
1876	75	39	77	39	75	43	67	44	76	50	88	51	80	60	81	60	82	54	80	48	79	43	77	43
1877	68	42	75	45	70	48	67	44	68	51	94	55	86	59	82	58	91	58	73	47	78	46	78	40
1878	68	38	69	44	68	42	77	44	73	48	76	51	77	56	80	55	100	53	87	44	77	40	79	35
1879	76	35	74	38	69	44	82	45	94	47	93	52	75	58	81	51	92	54	92	46	79	43	71	32
1880	73	32	63	35	69	38	80	42	46	46	76	53	84	54	84	56	82	50	81	48	76	40	77	40
1881	70	36	82	39	72	40	82	51	72	51	76	55	80	57	83	62	86	52	72	46	80	42	77	39
1882	64	31	77	37	79	39	70	43	73	48	75	55	80	57	83	62	80	50	81	49	80	42	78	41
1883	76	32	83	36	71	48	85	45	89	45	84	56	80	59	84	60	101	51	89	48	82	43	78	42
1884	78	39	79	38	68	43	69	45	72	47	81	50	81	54	84	60	78	51	87	47	74	42	68	36
1885	68	38	76	40	81	42	83	47	73	48	75	54	82	58	89	62	90	56	86	47	76	42	79	40
1886	74	35	80	44	68	41	71	45	72	50	75	54	77	60	77	54	79	58	85	50	82	44	74	36
1887	74	38	76	38	82	44	80	44	79	48	78	54	77	60	82	61	78	58	85	50	82	44	74	36
1888	64	33	67	42	72	41	93	47	70	50	76	54	77	55	89	62	82	57	80	53	83	46	69	40
1889	78	36	85	37	80	45	83	47	80	50	72	56	84	59	89	62	91	54	84	50	82	44	72	32
1890	66	35	77	38	74	41	85	45	75	46	93	51	80	56	89	58	80	55	84	50	82	44	72	32
1891	76	35	70	34	76	41	77	44	67	53	78	53	88	58	85	60	89	55	84	50	82	44	72	32
1892	75	38	68	42	73	44	80	41	87	47	75	51	75	57	80	57	80	54	83	46	84	40	71	36
1893	80	38	75	40	75	45	78	43	88	49	75	53	79	57	81	59	77	53	88	50	83	40	82	38
1894	69	32	69	34	72	36	83	43	72	45	73	50	77	57	90	55	90	52	87	45	78	45	70	41
1895	77	36	82	39	74	38	81	44	80	51	77	51	74	57	78	54	90	54	81	54	85	38	79	34
1896	77	39	83	39	85	41	74	46	98	48	89	54	80	56	88	59	80	58	79	52	83	43	78	46
1897	73	40	76	38	70	38	88	42	67	50	70	54	79	59	89	60	83	58	76	51	76	43	70	36
1898	78	36	75	42	77	38	86	45	69	51	88	54	77	60	83	63	91	56	81	51	76	43	79	43

It requires a temperature of 28° to kill oranges or lemons. From 1875 to 1898—8,766 days—there were 8,470 days of temperature not above 80° nor below 40°. "Cold snaps" and "heated spells" unknown here. Coronado temperature averages 3° warmer in winter and 5° cooler in summer than that of San Diego.

A GOOD OMEN.

UPON Washington's Birthday, Humane,
Spontaneous Combustion Fires the First
Gun and its Reports will resound Around the
Earth.



THE FIRST ORDER FOR HUMANITY BAKING POWDER.

Kansas City, Mo., February 22, 1902.

Mr. A. H. Isham,

My Dear Isham :

I suppose I have anticipated the Humane Proposition. Enclosed please find \$5.00 for 10 boxes of Humanity Baking Powder. I want to begin the Humane work upon an extended scale by myself, and my Brother Charles, Mrs. Potts, and Miss Maude, each of us agree to take orders in advance, for 500 one lb. cans of Humanity Baking Powder, making 2000 cans. We can do this and have money in the treasury, in not to exceed 90 days, and we will do so without fee and without price. I find no trouble to take orders for Humanity Baking Powder.

With kindest regards and deep affection, I remain,

Yours sincerely,

(Signed)

J. C. POTTS,

1118 Walnut St.

IT IS IT

New York, February 26, 1902.

MR. J. C. POTTS, 1118 Walnut street, Kansas City, Mo.

My Dear Mr. Potts—Your greatly appreciated favor of the 22d comes to me like a blessing, and especially your referring to the Baking Powder Proposition. It is, my dear friend, a wonderful letter to receive, and I have directed the "gist" of it to be published with the four pictures.

It will, I predict, prove an immortal letter, and justly make all of you, people of mark and distinction, in the event of the successful outcome of the Idea, and of course every order that is filled, does fulfill the Idea. The Idea is therefore now in motion; your order sets it in motion. The five (\$5) dollars for the ten boxes of Humanity Baking Powder solves the problem, and we have before us the illustration and the effect in all its bearings and ramifications.

FIRST: You have the consciousness of having secured Pure Food for your beloved ones.

You have brought relief to a starving child.

You have established an everlasting income for yourself, your heirs, and your assigns.

You have expanded your intelligence and shot an "Idea" over the plains, across the rivers and mountains to California, climbed Mount San Miguel, continued its flight into the Heavens, returning to you along its telepathic course, bringing reward like bread cast upon the waters. It is a new messenger from the realms of bliss, that will whisper to you consoling words, and assurances not heretofore dreamed of in this abode.

It is the bud of promise, and your order illustrates the work that we set out to do.

Now I want to impress upon you the fact that the complete success of this entire proposition, absolutely hinges upon the cash being paid in advance, at the time the order is given. It simply becomes a Trust Fund, not subject to the whims of individuals, for the cash must be handled, and it is imperative that it is handled in accordance with the by-laws as set forth as a Trust Fund.

Unless this principle of paying cash in advance is established, and the faith of the patron exhibited by the act, and the glad hand extended, the entire superstructure, in all its glory, must collapse; but by paying cash in advance, with the order, the problem is absolutely in process of being solved. It virtually is solved.

Now, my friend, until one assimilates the subject, it will not dawn upon them what a stupendous proposition it is; or how far-reaching is this principle of paying cash in advance. Now let us analyze your order for 10 boxes Humanity Baking Powder, at 50 cents per box, \$5.00

25 per cent. to Humanity.....	\$0.62½	
70 per cent. to The Patron.....	1.75	
5 per cent. to The Observatory.....	.12½	
Cost of Powder and Manipulating.....	\$2.50	
	<hr/>	
	\$5.00	\$5.00

IT IS IT

The sixty-two and one-half cents has relieved a sick child. This is the Humane Act—CHARITY. The essence of every religion offered to Humanity.

Twelve and one-half cents goes to Mr. Richard A. Thomas, San Diego, California, President of The World's Proctor Memorial Observatory and Temple of Light, a corporation duly organized under the laws of the State of California.

The sum of one dollar and seventy-five cents, due the Patron, is in the hands of the Trustee, for which the Patron receives a certificate, bearing four per cent. dividend forever, and never redeemable, for the money remains in the treasury until an association is formed, and a treasurer duly elected. Now comes the Eye Opener, what can the Trustees do with this accumulation, except to take up another Enterprise? This being exactly the thing they will do, and thousands of Organizations will spontaneously spring up. And this feature Illustrates the mighty expander this Exalted Procreation is.

The Trustees can't invest the accumulations in Baking Powder Products, for the reason that the Problem of solving and conquering the Baking Powder Industry is already solved, so far as capital is concerned, for the conclusive reason that if a million, or a hundred million boxes are ordered, the Patrons have furnished their own Capital; the Powder is already paid for out of itself. We absolutely need no more Capital, for the Baking Powder business PATRONS only are needed. Therefore, Organization is all Humanity needs, for the People are all powerful, and all the so-called Monopolies are as a thistle-down before a Tornado, when the People move. The People are the Cyclone, the Monopolies are the Thistle-down. Of course, if we are going to buy a Factory, you can readily understand that we would have a place to put the money. But has it occurred to you that we don't have to? There is already a sufficient number of baking powder plants already constructed, and if they were in actual operation, up to their full capacity, they could load solid trains and ships, if the demand required. Therefore, the owners are willing to bond themselves to make Humanity Baking Powder, exactly in accordance with Formula (the U. S. Standard), and permit our Inspector to witness, and actually combine the Ingredients that enter it.

Therefore, we are simply taking advantage of the conditions that favor Exalted Procreation. Manufacturers are willing to do this business at so close a figure, that buying a Factory is unnecessary. Furthermore, they are willing to turn in (at least one factory) and accept Dividend Certificates as pay. And this is the only good way out of the dilemma they find themselves in. Without Patrons, the Wheels won't go around, the noise of the factory is hushed forever; while the merry hum of Co-operation is heard in every land. The Stampede will be so great that Humanity will wonder why the dream hour of life, was never before embraced. For, after all, it is such a simple matter, like the ripple of the waters, like the lullaby of the trees, like the bird songs at the break of day, like the dove returning to the ark.

IT IS IT

Now we can readily see that we have plenty of food for thought and a work to do that hath no bounds. Now, before closing, let me send out to you and your noble wife, and to Charles, and to Miss Maude, all the love that one can send to others.

Yours affectionately,

ALFRED H. ISHAM.

THE WOMEN WILL SAVE THE WORLD—GOD SPEED THE
HOLY CAUSE.

HUMANITY BAKING POWDER GIVES SATISFACTION.

Kansas City, Mo., March 13, 1902.

Miss Bertha B. Isham, 1141½ Broadway, New York.

Dear Madam—We have received the package of Humanity Baking Powder, and used the same with most satisfactory results that the most fastidious person could desire. To be true, we have assurance of purity of the Baking Powder, perfect results in its use, and rejoice to have purchased a Baking Powder knowing that one-quarter of the profits of the same will be used to ameliorate the woes of Suffering Humanity. God speed the holy cause.

Yours sincerely,

(Signed) MRS. J. C. POTTS.

I REGARD IT SUPERIOR TO ANY OTHER BAKING POWDER.

From a Well-to-do Noble Woman.

Kansas City, Mo., March 14, 1902.

Mr. J. C. Potts, Kansas City, Mo.

Dear Sir—I have used the Humanity Baking Powder with the most gratifying results. There is no question in my mind in regard to the purity, strength and efficiency of this Baking Powder, and I regard it superior to any other Baking Powder that I have ever used, as the biscuits had none of the unpleasant odor that I have always noticed on breaking the warm biscuit made with other Baking Powder.

I wish the idea to meet with unqualified success. I give this statement freely, as I know the quality of the goods fully warrants me doing so. With best wishes, I am,

Yours sincerely,

(Signed) MRS. WM. DURHAM,

3814 Warwick Boulevard.

Acknowledgment of relief from the first sale of Humanity Baking Powder. The true tree of life is bearing the fruit of charity from heaven, and costs no man a penny. It is Exalted Procreation.

New York City, March 14, 1902.

Dear Sir—I write to thank you for your kindness in helping an invalid neighbor of mine who has been unable to help herself long before Christmas. God send you his blessing. I remain,

Yours in Christ,

(Signed) DOLLY BOOKER,

615 West 130th Street.

All correspondence, all accounts of monies received, disbursed and on hand, all contracts of every name and nature subject to inspection.

It is all Humanity's business and an Open Book.

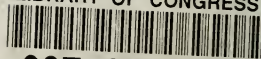
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